Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

SHARP CURTAILMENT IN BUILDING OPERATION

In 20 cities in the Eastern States, there was a falling off of 39%; expressed in dollars, this was from $27,000,000 last year to $16,000,000 this year. A $4,500,000 loss in Albany, N. Y., was accounted for by the change in the building laws; otherwise, losses were more or less proportionate. In New York City, building was surprising; Manhattan Borough nearly equalled last year; in Bronx, fully 100% larger than in September last year, and in Brooklyn, fully 50%. In the Bronx, building for the first nine months of the year was ahead of the corresponding period last year, and Brooklyn $10,000,000 ahead. This is partially accounted for by developments in the opening of new subways, but it is remarkable, nevertheless. In Philadelphia, there is a loss of more than 50%, which is the first important loss recorded in that city this year. For the first nine months of the year, the loss was approximately $27,000,000, most of which is accounted for in the month of September. This makes a loss of approximately 11.5% compared with the corresponding month last year.

In 16 cities in the Middle West, the loss was not as pronounced, amounting to about $5,000,000, or 23%. The most startling loss was in the City of Chicago, $2,500,000; Detroit, $500,000; Grand Rapids, $1,000,000, but September, 1913, was above the average, and Minneapolis, $600,000. It is interesting to note that in these cities for the first nine months of the year, there was a gain of approximately 4%.

In seven Southern cities, the tightness of money is most evident, decreases being general in each case and amounting to 41% for September and 15% for the first nine months of the year.

Returns from Pacific Coast States have been meager, and the five cities heard from were perhaps not enough to form any adequate basis for comparison, but the loss in September amounted to 64%, comparing with 19% for the first nine months.

EASTERN STATES

	Month of September 1914	Month of September 1913	First Nine Months of Year 1914	First Nine Months of Year 1913
Albany, N. Y.	$237,325	$4,995,375	$5,423,475	$7,757,590
Boston	546,179	823,875	14,815,623	14,055,255
Bridgeport, Conn.	314,890	224,323	2,116,999	2,298,429
Buffalo, N. Y.	761,000	821,000	9,260,006	8,807,243
Elizabeth, N. J.	72,309	182,000	1,051,622	2,047,005
Hartford, Conn.	129,010	369,421	3,009,256	4,040,446
Hoboken, N. J.	10,000	29,000	749,727	396,142
Jersey City, N. J.	154,467	244,972	2,974,116	4,442,261
Newark, N. J.	231,660	531,526	8,571,940	11,907,244
New Haven, Conn.	431,610	243,880	3,337,802	2,963,671
New York, N. Y.				
Manhattan	5,109,050	5,699,400	39,000,090	52,329,435
Bronx	1,155,300	485,790	13,432,268	18,022,906
Brooklyn	3,206,600	2,102,625	33,000,510	23,487,511
*Queens	1,172,540	1,793,240	15,216,085	13,382,396
Paterson, N. J.	72,783	54,215	1,373,198	1,115,154
Philadelphia, Penn.	1,811,250	4,402,000	39,221,630	33,907,075
Pittsburgh, Penn.	880,649	1,434,790	12,358,866	12,492,596
Reading, Penn.	47,150	69,025	1,090,350	683,725
Rochester, N. Y.	666,554	834,226	7,570,636	7,523,961
Scranton, Penn.	313,218	71,429	1,251,070	1,020,367
Springfield, Mass.	255,016	232,025	4,281,205	3,529,178
Syracuse, N. Y.	219,085	1,441,613	2,199,540	4,065,858
Worcester, Mass.	181,115	404,619	3,979,259	3,761,226
Totals	$16,837,280	$27,501,550	$207,357,288	$234,106,684
	Loss.....39%		Loss.....11.5%	

MIDDLE WEST

Akron, Ohio	$267,325	$393,645	$3,177,530	$4,285,950
Chicago, Ill.	4,925,900	7,358,920	63,760,710	67,429,877
Cincinnati, Ohio	665,608	809,376	7,837,668	6,916,542
Cleveland, Ohio	2,132,970	1,949,545	21,072,855	18,558,665
Columbus, Ohio	491,725	473,195	4,863,256	4,087,083
Dallas, Tex.	140,369	469,925	.....	.....
Denver, Colo.	1,007,130	295,490	2,844,553	3,341,145
Detroit, Mich.	1,547,235	2,056,855	23,497,065	23,647,008
Duluth, Minn.	137,829	473,897	2,372,693	3,585,414
Grand Rapids, Mich.	427,624	1,573,350	3,172,664	3,484,148
Indianapolis, Ind.	411,528	675,504	6,980,469	7,607,745
Kansas City, Mo.	565,035	676,695	16,106,360	7,630,121
Milwaukee, Wis.	1,162,004	874,509	8,187,351	10,054,581
Minneapolis, Minn.	881,275	1,449,650	12,024,940	9,647,350
Salt Lake City, Utah.	481,350	142,937	2,596,959	1,572,390
Toledo, Ohio	360,358	672,489	5,263,622	4,535,251
Totals	$15,655,765	$20,405,982	$185,168,695	$178,793,079
	Loss.....23%		Gain.....4%	

PACIFIC COAST STATES

Los Angeles, Calif.	$1,106,064	$1,748,665	$14,280,932	$25,583,262
Portland, Ore.	309,140	1,621,005	5,770,185	11,040,950
Spokane, Wash.	42,265	679,115	849,017	3,146,633
San Francisco, Calif.	830,018	2,373,723	24,991,564	16,318,659
Tacoma, Wash.	86,826	157,785	1,799,033	2,158,321
Totals	$2,374,378	$6,480,293	$47,690,731	$58,747,825
	Loss.....64%		Loss.....19%	

*Not included in totals.

SOUTHERN STATES

Atlanta, Ga.	$170,804	$384,723	$4,038,536	$4,277,079
Birmingham, Ala.	162,315	242,099	2,827,860	5,250,136
Chattanooga, Tenn.	77,387	50,120	957,007	860,120
Memphis, Tenn.	132,160	288,355	2,655,709	3,470,761
New Orleans, La.	159,277	186,769	2,329,569	3,542,229
Richmond, Va.	72,305	85,883	2,817,585	2,533,623
Washington, D. C.	390,511	740,886	7,702,789	7,568,591
Totals	$1,164,759	$1,978,835	$23,329,055	$27,502,539
	Loss.....41%		Loss.....15%	

RAILWAYS

Maine—Eastern Maine R.R.—Preliminary surveys are being made by this company for the construction of a railway from Houlton to Bangor, Maine. D. W. Burpee is Ch. Engr.

New York—Lehigh Valley R.R.—The Traffic Bureau of Syracuse, N. Y., has petitioned this company to extend its line from either Weedsport or Auburn to Syracuse. E. B. Ashby, New York, is Ch. Engr.

✚North Carolina—Southern Ry.—A contract has been awarded by this company for the second track work on its line from Alexander to Craggy, N. C., about 10 miles, to the MORROW CONSTRUCTION CO., Greensboro, N. C. Noted Sept. 3.

Georgia—According to press reports the Louisville & Nashville R.R. is interested in the construction of a railway from Atlanta to Cartersville, Ga. Preliminary surveys are being made. A company is being incorporated, to be known as the North Georgia Mineral Co., for the purpose.

✚Alabama—Alabama Great Southern R.R.—This company has awarded a contract to H. C. ELKINS, Baltimore, Md., for 11 miles of double-track work from Birmingham to Mobile Junction, Ala. C. Dougherty, Cincinnati, Ohio, is Ch. Engr.

Mississippi—Mobile & Ohio R.R.—At a recent meeting this company voted to issue bonds for double tracking its line from Corinth, Miss., to Jackson, Tenn., about 57 miles. B. A. Wood, Mobile, Ala., is Ch. Engr.

Louisiana—Orange & Northwestern R.R.—Preliminary arrangements are being made by this company for laying tracks on its proposed line through Vinton, La. J. S. Pyeatt, Orange, Tex., is Mgr.

Kentucky—Louisville & Nashville R.R.—This company plans to award a contract soon for the construction of a three-mile line from Raymond to Jenkins, Ky. W. H. Courtenay, Louisville, Ky., is Ch. Engr.

Texas—Kansas City, Mexico & Orient R.R.—This company has voted to issue $1,488,000 in bonds for the construction of its line from Girvin to Alpine, Tex. R. P. Parker, San Angelo, Tex., is Ch. Engr.

New Mexico—Atchison, Topeka & Santa Fé R.R.—Final surveys are being made by this company for the construction of a railway from Santa Fé to Taos, N. M. F. M. Bisbee, Amarillo, Tex., is Ch. Engr., of Western lines.

Idaho—Oregon Short Line R.R.—Plans are being prepared by this company for the construction of a second track on its main line from Pocatello, Idaho to Blackfoot, Idaho. Carl Stradley, Salt Lake City, Utah, is Ch. Engr.

Arizona—Southern Pacific Co.—This company will improve and lay new rails on its Tucson division in Arizona.

California—California Terminal Ry.—Plans are being considered by this company for the construction of a railway from San Francisco to Sacramento, with branch lines to Petaluma and Napa. The total length of the road and branches will be 118 miles.

ELECTRIC RAILWAYS

Buffalo, N. Y.—The City Council has granted a franchise to the International Ry. Co. to construct and operate an electric railway from Elmwood Ave. to Main St. in Buffalo. J. C. Sheldon, Buffalo, is Pur. Agt.

Opelika, Ala.—Preliminary arrangements are being made by the Carmack Ry. & Power Co. for the construction of an electric railway from Opelika to Auburn, about eight miles. H. A. Bedell, Opelika, is Pres.

Covington, Ky.—The South Covington & Cincinnati St. Ry. Co. is considering plans for the extension of its line from Covington to Erlanger.

Akron, Ohio—The Northern Ohio Traction & Light Co. will be compelled to construct new lines in Maple St., Wooster Ave. and Grant St. Charles Currie, Akron, is Gen. Mgr.

Cleveland, Ohio—The City Engineer has been commissioned by the City Council to prepare an estimate of the cost of constructing a municipal elevated railway system.

Columbus, Ohio—According to press reports the City Council is considering plans for the construction of an elevated railway on High St. to connect Hilltop and Coumbus. Henry Maetzel is City Engr.

Indianapolis, Ind.—The Board of Public Works has ordered the Indianapolis Traction & Terminal Co. to construct a railway on West Tenth St.

Richmond, Ind.—The Richmond-Hammond Traction Co. has completed surveys for the construction of an electric railway from Richmond to Hammond with a spur track to Connersville. Eugene Purtelle is interested.

Freeport, Ill.—Plans are being prepared by the Freeport Ry. & Light Co. for the construction of a new line in Freeport. E. D. Alexander, Dixon, Ill., is Vice-Pres.

Galesburg, Ill.—The Galesburg Ry., Light & Power Co., contemplates the extension of its line on West Losey St. in Galesburg. H. E. Chubbuck, Peoria, is Gen. Mgr.

Junction City, Kan.—According to press reports the Manhattan Interurban Co. contemplates the construction of an electric railway to Fort Riley.

St. Louis, Mo.—The United Rys. Co. has been petitioned to consider plans for the construction of a two-mile railway to connect the Delmar and Manchester lines. Robert McCulloch, St. Louis, is Pres., Gen. Mgr. and Pur. Agt.

San Antonio, Tex.—The San Antonio Belt & Terminal Ry. Co. has been granted a 25-year franchise by the City Council for the construction of its tracks over West Falls Ave. and other streets. The company will construct extensive track terminals and station buildings. It is a subsidiary of the Missouri, Kansas & Texas Ry. Co.

Cushing, Okla.—The Cushing Construction Co. has been organized to construct an electric railway from Cushing to the oil fields in the vicinity. Frank Brown, R. D. Long and Roy Jones are interested.

Ogden, Utah—Plans are being considered by the Ogden Rapid Transit Co. for the construction of an electric railway on Lincoln Ave. P. D. Kline, Ogden, is Gen. Mgr. and Pur. Agt.

Phœnix, Ariz.—The City Council has granted a franchise to the Phœnix Ry. Co. to extend its Brill line to the city line, about five miles. Samuel H. Mitchell, Phœnix, is Gen. Mgr. and Pur. Agt.

Malaga, Wash.—Preliminary arrangements are being made by Hyman Harris for the construction of an electric railway from Malaga to Leavenworth.

Corona, Calif.—The Pacific Electric Ry. Co. has applied to the City Council for a franchise to construct and operate an electric railway from Ontario and Lincoln Sts. to Taylor St. and South on Taylor St. to Lemon St. J. McMillan, Los Angeles, is Gen. Mgr.

Los Angeles, Calif.—The Los Angeles Silica Corporation, will construct a 6000 ft. aërial tramway from its quarries to the railroad at San Fernando. J. A. Fairchild is Mgr.

San Francisco, Calif.—The city will rearrange the street car tracks at the foot of Market St. and pave a street to be opened up there at a cost of $49,000. M. M. O'Shaughnessy is City Engr.

The Board of Supervisors has decided in favor of a combined cable and electric line over Church St. Hill, as a part of the municipal system. The hill section will cost about $150,000.

Brantford, Ont.—The Brantford St. Ry. Co. has applied to the City Council for a franchise to extend its lines and construct a loop in Brantford. E. B. Stockdale, Toronto, is Gen. Mgr.

Stratford, Ont.—The City Council is preparing to construct an electric railway on Arthur, Brock, Nelson and St. Paul Aves. T. H. Jones is Consult. Engr. and C. H. Hartman is Chn. Ry. Comn.

Edmonton, Alta.—The Edmonton Tramways Co., Ltd., has completed preliminary arrangements and plans to start work soon on the construction of its proposed line through Edmonton. This is part of a line which will eventually connect Edmonton and Fort Saskatchewan.

LIGHT, HEAT AND POWER

★**Bath, N. Y.**—(Official)—Bids will be received until 11 a.m., Oct. 27, by Joseph H. Goulden, Pres., New York State Soldiers and Sailors Home, Bath, N. Y., for alterations to the electric plant, underground piping, steam, etc. For particulars, see advertisement under "Contracts To Be Let."

★**Ithaca, N. Y.**—The following bids were received Sept. 28, by E. L. Williams, Treas., of Cornell University, for the heating, plumbing and electrical work for the New York State drill hall, at Cornell University:

Heating Work—Proposal No. 1. Danforth Co., Buffalo, $21,927; Edward Joy Co., Syracuse, $22,500; L. W. Bates, Syracuse, $28,600; Lane Engineering Co., $30,624.

Heating Work, Proposal No. 2. Edward Joy Co., Syracuse, $17,500; Danforth Co., Buffalo, $18,663; E. W. Bates, Syracuse, $19,300.

Plumbing and Drainage. R. T. Ford Co., Rochester, $12,537; Edward Joy Co., Syracuse, $13,990; A. J. Eckert Co., Albany, $14,100; Jamieson - McKinney Co., Ithaca, $14,874; Forest City Plumbing Co., Ithaca, $20,225.

Electric Work. Isidor Fajans, New York, $9698; Buffalo Electric Co., Buffalo, $10,000; Davis, Brown & Co., $11,750; Commercial Construction Co., New York, $11,835; T. F. Jackson, New York, $12,265; J. F. Buchanan Co., $12,383; New York Construction Co., New York, $12,897; Edward Joy Co., Syracuse, $13,859. Noted Sept. 10.

New York, N. Y.—(Borough of Manhattan)—(Official)—The following bids were opened, Oct. 5, for installing electrical equipment in Public School No. 52: T. Frederick Jackson, Inc., $9290; Peet & Powers, $8835; Reis & Donovan, Inc., $9240; Eugene Frank, $9444; Mathew Construction Co., $9870; Jandous Electric Equipment Co., Inc., $8812.

(Borough of Bronx)—(Official)—Bids for electrical equipment in the additions to Public Schools Nos. 20 and 21 were received from: New York Construction Co., $4530; Jandous Electric Equipment Co., $4131; T. Frederick Jackson, Inc., $4775; Eugene Frank, $5644.

(Borough of Richmond)—(Official)—For installing electrical equipment in Public School No. 20, Borough of Richmond, the bidders were: Eugene Frank, $6444; New York Construction Co., $6635; Jandous Electric Equipment Co., $7065; T. Frederick Jackson, Inc., $6140. Noted Oct. 1.

Lynchburg, Va.—Plans have been prepared and submitted to the City Council by E. C. Wiley, Consult. Engr., for a municipal electric-light plant. The estimated cost is $150,000.

Branchville, S. C.—The citizens have voted in favor of a bond issue of $10,000 to be used for the equipment of a municipal electric-light plant.

Westminster, S. C.—At a recent election, a bond issue of $16,000 was voted for the construction of a municipal electric-light plant.

Mount Vernon, Ga.—At the November election, the citizens will vote on the question of a $50,000 bond issue, the proceeds to be used for the construction of a municipal electric-light plant.

✚**Mobile, Ala.**—The School Commission has awarded the contract for the installation of a fan blast system of combined heating and ventilating in Barton Academy, Russell School, Semmes School and Old Shell Road School, to the MONCRIEF FURNACE CO., Atlanta, Ga., at $17,247.

Jackson, Miss.—The city is considering the installation of an electric-light and power plant to cost about $200,000. M. L. Culley is City Engr.

✚**Meridian, Miss.**—The Tuberculosis Hospital Commission has awarded the contract for the construction of an electric-light and power plant for the hospital to the DALTON ELECTRIC CO.

Bristol, Ind.—It is reported that a franchise has been granted to A. H. Timm, Constantine, Mich., for the installation of an electric-light plant in Bristol.

Portage, Wis.—It is reported that plans have been prepared for a municipal electric-light plant estimated to cost $60,000. A. T. Maltby, 20 West Jackson Blvd., Chicago, Ill., is Engr.-in-Charge.

Audubon, Iowa—Press reports state that the Audubon Electric Light Plant, owned by N. L. Freeman, was recently destroyed by a cyclone.

Carroll, Iowa—The Carroll Light & Heat Co. contemplates improvements to its power plant, distributing system and heating mains to cost about $35,000. Fred C. Ross is Mgr.

Duluth, Minn.—The City Council has passed an ordinance appropriation $85,800 for the construction of the first unit of a municipal electric-lighting plant, which will supply electricity to the territory between 38th and 74th Aves. West. Noted Sept. 3.

Greensburg, Kan.—The municipal electric-light plant expects to purchase within the next three months, a 200-hp. engine, a 175-kva. alternating current generator, three-phase, 2300 volts, 50 cycles, and material for an 11-mile transmission line. J. W. Pennington is City Clk.

Kearney, Neb.—The Kearney Water & Electric Power Co. has applied to the State Railway Commission for permission to issue $35,000 in bonds, the proceeds of which will be used to enlarge and improve the present plant.

Sidney, Mont.—The Sidney Light & Power Co. has been incorporated with Sidney as its headquarters. The company will soon begin the construction of an electric power plant to supply this city and neighboring towns.

Wibaux, Mont.—A special election will soon be held to vote on the question of granting a franchise to Henry Zolphi for the installation of an electric-light and heating plant. It is reported that Mr. Zolphi, if the franchise is granted, will build a plant costing from $20,000 to $25,000.

Brownsville, Tex.—James A. Browne, owner of the local street railway system, has announced that he will build a power plant, and convert the transit system from gasoline motor to electricity.

Malad City, Idaho—The Evans Light & Power Co., Malad City, is considering the construction of a new lighting plant, to be located near the city. J. H. Campbell is Mgr. and Supt. of the company.

Spencer, Idaho—The Wood Livestock Co. has been granted a franchise for the construction of a power plant and distributing system to supply the city with light and power. F. J. Hagenbarth is Pres. of the company.

Mesa, Ariz.—The South Side Gas & Electric Co. plans to build a substation, costing about $10,000, for the purpose of distributing the electricity which is generated at the power plant at the Roosevelt Dam. H. L. Chandler is Mgr. of the South Side Co.

Seattle, Wash.—The City Council, in connection with the proposed extension of the municipal power plant, has received an offer from J. T. Mitchell to sell power rights on the South Fork of the Skokomish River for $150,000. Mr. Mitchell claims that the site, which is located in Mason County, is capable of developing 70,000 hp., and that the cost of development would approximate $3,030,000, or about $2,000,000 less than the site at Lake Cushman, which is under consideration. Noted Sept. 24.

Summerville, Ore.—The Kless Electric Co., Summerville, is preparing to extend its transmission lines into the Grand Ronde Valley, and will furnish light and power to the farmers and small towns along the line.

Warrenton, Ore.—The city has granted a 30-year franchise to the Pacific Power & Light Co., Astoria, Ore., to furnish light and power to Warrenton. Construction work will be begun at once, as the franchise stipulates that service shall be furnished within about 18 months. The estimated cost of the work is $50,000. William H. Galvanio of the Pacific Power & Light Co. will have charge of the work.

Yoncalla, Ore.—A special election will be held in December to vote on the question of a bond issue, the proceeds of which are to be used for the construction of an electric-light system.

✚**Bakersfield, Calif.**—The Board of Education of Kern County has awarded the contract for heating and ventilating systems in the new High School at Bakersfield to the AMERICAN HEATING & CONSTRUCTION CO., Los Angeles, at $21,900.

Pasadena, Calif.—The Pasadena Hospital Association will soon begin the construction of a new boiler house and the installation of new boiler equipment at the present hospital at Congress and Fairmount St., Pasadena. The cost of the work will be about $12,000.

Fraserville, Que.—It is reported that bids will be asked in December or January for additions to the power house of the municipal lighting system, including penstock, waterwheel, dynamo and motors. The estimated cost is $25,000. E. Talls is Clk.

✚Joliette, Que.—The contract for the construction of a hydraulic plant at Joliette has been awarded to ARSENEAULT & PLAMONDON, Montreal, Que., at $32,516. The work includes building a concrete dam, reinforced concrete retaining walls for the headrace, concrete headwall, a stave pipe and a reinforced concrete power house.

BRIDGES

Holyoke, Mass.—Press reports state that the Board of Selectmen has voted to spend $5000 in repairing the Sunderland Bridge over the Connecticut River. T. J. McCarthy is City Engr.

Bridgeport, Conn.—It is reported that the Board of Selectmen is considering the construction of a bridge over the Pequonnock River at Grand St., and one at East Washington Ave. Alfred H. Terry is City Engr.

✚South Norwalk, Conn.—(Official)—The Board of Selectmen has awarded the contract for the erection of the steel work for the draw span of the Washington St. Bridge, South Norwalk, to TOOLE & SUNDERLIN, Bridgeport, Conn.

Charlotte, N. Y.—Owing to the present condition of the money market, the Monroe County Building Commission, Rochester, has deferred the awarding of the contract for the construction of the bridge over the Genesee River at Stutson St., Charlotte. List of bidders noted Aug. 13.

New York, N. Y.—(Official)—Bids will be received until 2 p.m., Oct. 15, by F. J. H. Kracke, Comr. of Bridges, Municipal Bldg., Borough of Manhattan, for additions and repairs to the south approach of the Fresh Kills Bridge over Richmond Creek.

Syracuse, N. Y.—Plans have been prepared by J. A. Bensel, State Engr., for the construction of a bridge over the Erie Canal at West Genesee St., estimated to cost $60,00. Bids will be asked as soon as the plans are approved by the City Engineer, J. A. Wooley.

✚Troy, N. Y.—(Official)—The Troy & West Troy Bridge Co. has awarded the contract for the construction of the Congress St. Bridge to the FORT PITT BRIDGE WORKS, Pittsburgh, Penn. Noted Sept. 24.

Camden, N. J.—Bids will be received until Oct. 14 by the Board of Chosen Freeholders of Camden County for material for the Broadway Bridge over Newton Creek as follows: 80,000 lb. of structural steel, 400 lb. trunnions and pins, 4000 lb. trunnion bearings, sleeves, etc., 5000 lb. reinforcing steel, 2500 lb. wire mesh, etc. J. J. Albertson is County Engr.

✚Jersey City, N. J.—(Official)—The Boulevard Commissioners of Hudson County have awarded the contract for the construction of a bridge over the railroad cut on the Hudson Blvd. to C. S. EDWARDS, First National Bank Bldg., Exchange Place, Jersey City, at $9447. Other bidders were: R. J. Emmer, $9600; C. S. Callery, $9450; Curtis & Cavanagh, $10,390. Noted Sept. 3 and Sept. 24.

Jersey City, N. J.—Bids will be asked in a short time by the Board of Chosen Freeholders of Hudson County for repairs to the Jackson Ave. Bridge over the Passaic River, plans for which are now being prepared.

✚The Public Service Co., of Jersey City has awarded the contract for the construction of an electrically operated and magnetically controlled gantry bridge to the ROBINS CONVEYING BELT CO., 13 Park Row, New York, N. Y., at about $50,000. The bridge will be 200 ft. long.

South Amboy, N. J.—The Raritan River R.R. Co. has been granted permission to build a new bridge over its tracks on Washington Ave.

Pittsburgh, Penn.—(Official)—Bids will be received until noon, Oct. 20, by R. J. Cunningham, Controller of Allegheny County, for the construction of Bridge No. 21 over Pine Creek, near Alison Park Station, Hampton Township. J. C. Chalfant is County Engr.

✚Pittsburgh, Penn.—The Department of Public Works has awarded the contract for building the substructure of the new Sylvan Ave. Bridge to the DRAVO CONTRACTING CO., Pittsburgh, at $29,907. Noted Sept. 24.

Suffolk, Va.—The City Council and the Board of Supervisors of Nansemond County are considering the construction of a bridge over the Nansemond River. The estimated cost is $9700 for a double-track or $9100 for a single-track bridge.

✚Moorefield, W. Va.—(Official)—The County Court of Hardy County has awarded the contract for the construction of a steel bridge with concrete abutments over the Lost River above Millers Ford to the FARRIS BRIDGE CO., Pittsburgh, Penn., and Charleston, W. Va., at $4000. Noted Sept. 17.

✚Winston-Salem, N. C.—The Commissioners of Forsyth and Yadkin Counties have awarded the contract for the construction of a bridge across the Yadkin River at Conrads Ferry to the VINCENNES BRIDGE CO., Vincennes, Ind., at $23,349. The bridge will be about 860 ft. long. Noted July 23 and Aug. 6.

✚Americus, Ga.—The Commissioners of Sumter County have awarded the contract for the construction of two reinforced-concrete bridges on the Americus-Smithville Road, one over Muckalee Creek and a smaller one over Bear Creek, to J. H. SCRUGGS, Birmingham, Ala.

Rome, Ga.—Bids will be received until Oct. 19 by the County Board of Floyd County for the construction of a concrete bridge over Armuchee Creek on the Summerville Road. Kieffer Lindsey is County Engr.

Knoxville, Tenn.—J. Boyd McCalla, City Engr., has recommended to the City Commission the construction of a concrete viaduct across First Creek and East Clinch Ave. The estimated cost is $6000.

Birmingham, Ohio—(Official)—Bids will be received until 1:30 p.m., Oct. 12, by the Board of Commissioners of Erie County, Sandusky, for placing a creosote wood floor on Bridge F-202 near Birmingham. The estimated cost of the work is $6925, and includes 65,131 ft. of planking, 862 sq.yd. of wood block, bolts, washers, lag screws, spikes, etc. Hayes M. Adams is County Audr. and Clk. of Comrs.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Oct. 23, by the Board of Commissioners of Hamilton County for the construction of a concrete arch, and widening Drake Ave. about half a mile north of Indian Hill Ave., Columbia Township, Spec. 709; and for repairing a bridge on Muddy Creek Road, Green Township, Spec. 704. Albert Reinhardt is Clk. of Comrs.

✚Cleveland, Ohio—The Commissioner of Purchases and Supplies has awarded the contract for the construction of the substructure of the Clark Ave. Viaduct to the GREAT LAKES DREDGE & DOCK CO., Chicago, Ill., at $124,938. Noted Sept. 10.

Cleveland, Ohio—Press reports state that a movement is on foot to rebuild the old Superior Viaduct at a cost of about $750,000. The proposed plan is to rebuild the easterly half of the viaduct, placing the approach at St. Clair Ave. N. W., instead of Superior Ave., N. W., to relieve the traffic congestion at the latter point. This viaduct was built during the middle 70's, and it is stated that the masonry will require practically no changes.

Dayton, Ohio—O(fficial)—Bids will be received until 10 a.m., Oct. 20, by the Board of Commissioners of Montgomery County for the construction of Bridge No. 16, Van Buren Township. Walter H. Aszling is Secy. of Comrs.

✚New Lexington, Ohio—(Official)—The Board of Commissioners of Perry County has awarded the contract for the superstructure of a bridge over Jonathan Creek, Madison Township, to the CAPITOL CONSTRUCTION CO., Columbus, at $4795. Noted Sept. 17.

✚Anderson, Ind.—(Official)—The Commissioners of Madison County have awarded the contract for the construction of an additional span to the 12th St. Bridge to the BURK CONSTRUCTION CO., Newcastle, Ind., at $6149. Noted Sept. 24.

Indianapolis, Ind.—Bids will be received until 10 a.m., Oct. 19, by W. T. Patten, Audr. of Marion County, for repairs to the Speedway Bridge, Wayne Township.

Danville, Ill.—(Official)—The question of a bond issue of $80,000 to be used for the construction of a bridge over the North Fork River at Bridge St. will be submitted to the voters at the November election. W. H. Martin is City Engr. Noted Sept. 24.

Rochester, Minn.—(Official)—Bids will be received until 10 a.m., Oct. 20, by the Commissioners of Olmstead County for furnishing steel for State Bridge No. 1501. L. D. Bailey is Dist. Engr.

✚Concordia, Kan.—The Board of Commissioners of Cloud County has awarded the contract for the construction of three county bridges to the WESTERN BRIDGE CO., Harrisonville, Mo., at $6430 ;a contract for four bridges was awarded to FRED LANDRETH, Republic, Kan., at $5650. Bids were opened Sept. 24. Noted Sept. 3.

Nebraska City, Neb.—(Official)—Bids will be received until noon, Oct. 16, by the Commissioners of Otoe County for filling of wings and bridges and grading on the North Eighth and North 16th St. Bridges. Louis Stutt is County Clk.

✚Amity, Ark.—The Commissioners of Clark County, Arkadelphia, have awarded the contract for the construction of a steel bridge across the Caddo River near Amity to the VINCENNES BRIDGE CO., Vincennes, Ind., at $11,970. It will have three 130-ft. spans.

✚Beeville, Tex.—The Commissioners of Bee County have awarded a contract for the construction of a reinforced concrete bridge over Aransas Creek on the Beeville-Skidmore Road to AUSTIN BROS., Dallas, at $6348; the contract for a bridge over Aransas Creek on the Skidmore-Corrigan Ranch Road was awarded to the EL PASO BRIDGE CO., El Paso, at $5600.

✚Cameron, Tex.—The Commissioners of Road District No. 2 have awarded the contract for the construction of a number of bridges in the district to AUSTIN BROS. at $11,366. Bids were opened Sept. 24.

Denison, Tex.—The City Commissioners have rejected all bids received for the construction of a six-ft. walkway bridge over the shops of the Missouri, Kansas & Texas Ry. Co., estimated to cost $12,500 and are considering the construction of a viaduct for vehicles to cost about $45,000. A. B. Clenny is City Engr. Noted Sept. 3.

✚Enid, Okla.—The Commissioners of Garfield County have awarded a contract for building three new bridges and repairing several others to the MONARCH BRIDGE CO. at $8709.

Ogden, Utah—The City Commission and the Ogden Rapid Transit Co. plan to build a new bridge over the Ogden River at Lincoln Ave. Washington Jenkins is City Engr.

✚Flagstaff, Ariz.—The Board of Supervisors of Coconino County has awarded the contract for the construction of a concrete arch over Cañon Diablo to THOMAS MADDOCK, Williams, Ariz., at $9000. Noted Aug. 6, 19 and 20.

Seattle, Wash.—The City Council has passed an ordinance appropriating $10,000 to pay the expense of preparing preliminary plans for the construction of four bridges across Lake Washington Canal. The estimated cost of these bridges is $1,350,000. Noted July 23 and Aug. 27.

Fairfield, Calif.—The Board of Supervisors of Solano County has approved of plans for a bridge across Putah Creek on the State Highway, to be built jointly by Solano and Yolo Counties. The estimated cost of the bridge is $140,000.

Fresno, Calif.—It is reported that the Atchison, Topeka & Santa Fé Ry. Co. will build a steel bridge over the tracks of the Fresno Traction Co. G. W. Harris, Los Angeles, Calif., is Ch. Engr.

Los Angeles, Calif.—The lowest bide repairing the Fourth St. Bridge over the Los Angeles River was that of the Russell-Green-Foell Co. at $14,600.

Red Bluff, Calif.—Press reports state that bids will be received until Oct. 14 by the Board of Supervisors of Tehama County for the construction of a number of bridges on the State Highway from the Glenn County line, running north to Corning. The estimated cost is $22,400 for the concrete bridges, and $14,500 for those of steel.

✚Santa Ana, Calif.—The contract for the construction of a reinforced concrete bridge over San Juan Creek has been awarded to the MERCEREAU BRIDGE & CONSTRUCTION CO. at $7603.

Visalia, Calif.—It is reported that bids will soon be asked for the construction of three bridges over Deer Creek. A. M. Coburn is Clk. of the Bd. of Supervisors of Tulare County.

Chatham, Ont.—See item under "Miscellaneous."

Dundas, Ont.—The Town Council is having plans prepared for the construction of a steel viaduct over Court St. John S. Fry is Town Clk.

Hamilton, Ont.—The City Council contemplates the construction of a 750-ft. bridge at Burlington Heights in conjunction with the Toronto-Hamilton concrete road. A. F. McCallum is Engr.-in-Charge.

St. Catharines, Ont.—(Official)—Bids will be received until 5 p.m., Oct. 15, by the City Council for the construction of the substructure of the St. Paul St. High Level Bridge. The principal items are: 3000 cu.yd. of excavation, 1850 cu.yd. concrete masonry in abutments, 65 cu.yd. concrete masonry in copings, 10,240 lin.ft. timber piles, 7250 lb. of anchor bolts and 3600 lb. of steel reinforcement. W. P. Near is City Engr.

Fort George, B. C.—Plans are being prepared, and bids will be asked at once for a new bridge over the Upper Mud River to replace one recently washed away. It is also reported that two bridges will be built further up the river at an approximate cost of $17,000.

WATER SUPPLY—IRRIGATION

Boston, Mass.—The following bids were received by the Metropolitan Water and Sewerage Board for the construction of a screen house at East Boston: Apted & McDuffee, Malden, $13,188; Woodbury & Leighton, $10,352; J. E. Locatelli Co., Inc., $9988; Patrick Rich, East Boston, $9480; C. A. Dodge Co., Cambridge, $8720; Michael I. Russo, $7867; J. Caddigan Co., $7200; Charles D. Smith, 1 Ashburton Pl., is Chief Engr. Noted Sept. 4.

Lenox, Mass.—The Lenox Water Co. contemplates constructing a new reservoir on Richmond Mountain. George F. Bourne is Supt.

✚Lowell, Mass.—According to press reports, the contract for installing a filtration plant has been awarded to CHARLES R. DOW, Boston, at $91,314. Other bidders were: Conners Bros., $113,947; Bruneau-Pettit Co., $120,000; William Pike, $150,805 and Daniel H. Walker, $102,222. Noted July 9.

Waterbury, Conn.—The city contemplates building another reservoir. Robert A. Cairns, City Engr., has selected a site, according to press reports, near Litchfield.

✚Lestershire, N. Y.—The contract for furnishing a pumping engine for the water department has been awarded to FORD M. PRESCOTT STEAM PUMP CO., Milwaukee, Wis., at $10,225. Noted Sept. 3.

Lyons, N. Y.—Bids will be received by the Village Clerk, until Oct. 17, for furnishing c.-i. water pipe and specials. J. F. Witmer Co., Dun Bldg., Buffalo, is the Engr.

New York, N. Y.—(Borough of Brooklyn)—(Official)—No bids were received Sept. 28 for dismantling and transporting two water tube boilers from pumping station No. 1, Borough of Queens and one steel stack from Horse Brook pumping station to the Massapequa pumping station and re-erecting them. The contract has been readvertised and bids will be received until Oct. 14 by William Williams, Comr. of Water Supply, Gas and Electricity, Municipal Bldg., Manhattan. Noted Sept. 24.

✚Atlantic City, N. J.—(Official)—Bids were received Oct. 1 for increasing the impounding area of the Lower Doughty Pond as follows: EDWARD L. BADER CO., at $71,891 (awarded contract); William H. Arthur Co., $75,585; Charles T. Eastburn Co., $78,518; Merrill Ruckgaber Co., $80,369; Fillebrown Taylor Co., $84,067; Norton & Gorman, $84,793; Kelley, McFeeley Co., $85,536; F. J. Boas Co., $89,536; Sutton & Sorson, $91,341; Atlantic Construction & Supply Co., $96,288; and Whiting Turner Co., $97,888. Noted Sept. 24.

Hancock, Md.—Plans are being prepared by Alfred M. Quick, Engr., Munsey Bldg., Baltimore, for the construction of a water system and sewer system, estimated to cost $30,000. Noted Aug. 20.

✚Washington, D. C.—(Official)—The contract for furnishing 1000 tons of c.-i. water pipe has been awarded to STANDARD CAST IRON PIPE & FOUNDRY CO., Bristol, Penn., at $19.48 per net ton. Other bidders were: United States Cast Iron Pipe & Foundry Co., $19.60 net ton; Lynchburg Foundry Co., $20.45 net ton; Donaldson Iron Co., $20.25 net ton; Glamorgan Pipe and Foundry Co., $20.10 net ton; American Cast Iron Pipe Co., $23.35 net ton; Camden Iron Works, $20.09. Noted Sept. 10.

New Smyrna, Fla.—The city contemplates issuing bonds for the construction of a water system and sewer system. F. A. Newell is City Clk.

Birmingham, Ala.—At an election held Sept. 21, bonds for $5,000,000 were voted by the citizens. The proceeds will be used for the construction of a water system. Julian Kendrick is City Engr. Noted Aug. 27.

Ozark, Ala.—Bonds for $25,000 the proceeds of which will be used for the construction of a water system, have been sold. Noted Apr. 30.

Nashville, Tenn.—An appropriation of $15,000 has been made by the City Council to purchase pipe and fittings for the water department.

✚Cleveland, Ohio—The contract for the construction of the new Division St. pumping station for the city has been awarded to the JOHN F. CASEY CO., Cleveland, Ohio.

Cleveland, Ohio—(Official)—Bids will be received by the Commissioner of Purchases and Supplies, until noon, Oct. 2 for furnishing three low lift steam turbine reduction gear centrifugal pumps for the Water Department.

Cleveland, Ohio—(Official)—Bids will be received by A. F. Callow, Comr. of Purchases and Supplies, until noon, Oct. 1 for constructing superstructures for filters.

✚Dayton, Ohio—The contract for constructing water main across the Miami River above Dayton View has been awarded to SHAFOR & DILL, at $18,500.

Delta, Ohio—(Official)—The village was unable to sell its bonds for water works improvements but has arranged with the contractor to receive bonds in payment for his work. The W. J. Sherman Co., 613 Nasby Bldg., Toledo, Ohio, is the Engr.

Fostoria, Ohio—The City Council has adopted an ordinance providing for a bond issue of $75,000, the proceeds to be used for extensions and improvements to the water system. Noted Sept. 17.

Mt. Blanchard, Ohio—The citizens plan to construct a water system, to cost $10,000.

Steubenville, Ohio—(Official)—Bids will be received until noon, Oct. 23, by Charles R. Wells, City Audr., for the purchase of $65,000 of bonds, the proceeds to be used for the completion of the filtration plant. Noted Oct. 1.

Wooster, Ohio—A steel storage tank with a capacity of 15,000,000 gal. will be constructed by the City Council.

Orion, Mich.—On Sept. 28 the citizens voted $34,500 in bonds the proceeds of which to be used for the installation of a water system. Smith & Boulay Co., Nasby Bldg., Toledo, Ohio, is the Engr. Noted Sept. 17.

Grand Ridge, Ill.—Bids are being received by the Village Clerk for laying 14,000 ft. of c.-i. water mains.

✚Joy, Ill.—The contract for constructing a 30,000-gal. steel tank has been awarded to ROCK ISLAND BRIDGE & IRON WORKS, Rock Island, Ill.

Kansas, Ill.—(Official)—Bids will be received by the President of the Board of Trustees until 1:30 p.m., Oct. 12 for erecting a steel tower and tank and for furnishing a deep well pump. L. S. Phipps is Pres. Noted June 11.

Viola, Ill.—The city contemplates installing a municipal water system. Philip Horton, Peoria, is Engr.

✚Cascade, Wis.—The contract for furnishing 800 ft. of 34-in. steel water pipe has been awarded by Schlenter Bros., to the OPTENBERG IRON WORKS, Sheboygan.

Milwaukee, Wis.—Bids will soon be received for the construction of the Lake Shore intake tunnel to connect the new Linwood Ave. water works intake with the North Point pumping station. The estimated cost is $175,000. Fred G. Simmons is Comr. of Pub. Wks.

Sheboygan Falls, Wis.—The Common Council contemplates issuing bonds for the construction of a municipal water system and sewage system.

Winterset, Iowa—The town contemplates making extensive improvements to the water system. Harper & Stiles, Grand Ave. Temple, Kansas City, Mo., are the Engrs.

Fordyce, Neb.—Bonds for $6000 were voted by the citizens, the proceeds of which will be used for the construction of a municipal water system. J. D. Smith, Hartington, is Engr.

Lincoln, Neb.—Bids will be received until 2 p.m., Oct. 15 by T. H. Berg, City Clk., for one 750-kw. turbine and generator, 440-volt; one condenser for 750 hp. compound Corliss engine. The estimated cost is $27,000. Adna Dobson is City Engr.

Kremlin, Mont.—The installation of a water system is under consideration.

Joplin, Mo.—Extensions to the system of the Joplin Water Works Co. are contemplated. The estimated cost is about $12,000.

✚El Paso, Tex.—The City Council has awarded the contract for additional machinery for the water works plant to FULTON IRON WORKS, St. Louis, Mo., at $44,000. Noted Oct. 1.

Hagerman, N. M.—The Town Trustees are developing a water supply for the proposed water works system that is to be put in here. Bonds in the sum of $16,000 have been voted for the purpose.

✚Shelley, Idaho—The contract for constructing a steel water tank and tower has been awarded by the city to JAMES J. BURKE & CO., Salt Lake City, Utah.

Ogden, Utah—Bids will be received according to press reports until Oct. 12, by F. O. Stamford, City Recdr., for sinking artesian wells for the water department.

Seattle, Wash.—The City Council has authorized the laying of a water main in 13th Ave. South from Duwamish Ave. to Bailey St.

Eugene, Ore.—The contract awarded to Barney & Johnson, for constructing a reservoir has been rescinded. The contract will soon be readvertised for this work. Noted Sept. 3.

Oregon City, Ore.—Bids will soon be received for the construction of a pipe line from Clackama to Oregon City and for the construction of a reservoir with a capacity of 5,000,000 gal. The estimated cost is $225,000. Hurlbut & Rands, 505 Henry Bldg., Portland, are the Engrs. Noted Apr. 30.

Arcadia, Calif.—According to press reports the city will construct a water system costing $131,250. Bonds for this purpose have been voted. Mark Ehle, City Hall, is City Engr.

Imperial, Calif.—W. H. Holabird, receiver for the California Development Co., has been granted permission by the Superior Court to expend the sum of $145,000 for needed improvements to the irrigation system in the Imperial Valley. The work required will be located on the Mexican side of the boundary line. About $80,000 will be expended upon a flume; $8000 on the Encina heading, and $42,500 for a dredge.

Redding, Calif.—(Official)—A. T. Brown, Anderson, Calif., is not Chief Engineer of the Anderson-Cottonwood Irrigation District as stated in the issue of Sept. 17.

San Francisco, Calif.—Bids will be received about Dec. 1 for constructing a reservoir in Lincoln having a capacity of 3,000,000 gal.

++Winnipeg, Man.—(Official)—Contracts for constructing 85 miles, consisting of five sections all of which are about the same length, of concrete aqueduct have been awarded by the Greater Winnipeg Water District to: Contract 30, J. H. TREMBLAY CO. LTD., Winnipeg, at $549,549; 31, THOMAS KELLY & SONS, Winnipeg, at $1,301,485; 32, 33 and 34 to NORTHERN CONSTRUCTION CO. and CARTER HALLS ALDINGER LTD., Winnipeg, at $1,268,680, for Contract 32, $1,137,010 for Contract 33 and $1,489,520 for Contract 34. Bids opened Sept. 19. S. H. Reynolds is Chmn. of Comrs. Noted July 30.

SEWERS

Boston, Mass.—Bids will be received until Oct. 10, by the Public Works Department for constructing sewers in Ashley and Boardman Sts., West Roxbury District. L. K. Rourke is Comr.

Providence, R. I.—The City Council has recommended the construction of sewers in Barrows, Irene St., Mount Hope Ave., Ivy and 12th St. Walter F. Slade is Ch. Engr.

New Britain, Conn.—The Board of Public Works has authorized the expenditure of $10,000 for the completion and repair of the sewer system. William A. Hall is City Engr.

Lewiston, N. Y.—The Village Board contemplates building a sewer system in the northern section of the village.

+Rochester, N. Y.—The contract for building the Linden St. sewer has been awarded to SCHROEDER HICKS CONSTRUCTION CO., at $9334 by the Board of Contract and Supply.

Hoboken, N. J.—Plans have been approved by the State Board of Health for the construction of a sewer system for the southern section of North Bergen.

+Newark, N. J.—The Board of Works has awarded the following contracts for sewer construction: To MICHAEL STEFANELLI, north westerly section of Vailsburgh sewer at $18,166,, and Abinger Pl. and Boylan St. sewers at $1059; to THOMAS MERCADANTE, Stuyvesant Ave. sewer at $855. Noted Sept. 30.

Easton, Penn.—At an election held recently bonds for $300,000 for the construction of sewer system and disposal plant were defeated.

+Montoursville, Penn.—Contract awarded to JOHN C. SCHRADE, INC., 2132 Beverly Road, Brooklyn, N. Y., for constructing a storm sewer, in Broad St. About one mile of 30-in. segmental blocks, and 24 in., 18 in., 15 in. and 12 in. vitrified pipe, manholes and catch basins were required. S. D. Neyhard is Engr.

Pittsburgh, Penn.—(Official)—See item under "Streets and Roads."

+Richmond, Va.—Contracts for the construction of sewers have been awarded by the Administration Board to NICHOLAS & HENLY and SCOTT-NUEKOLS CO., at $7470 and $23,411 respectively. Noted Sept. 10.

+Thomasville, N. C.—The contract for extending the sewer system has been awarded to the J. B. McCRARY CO., Atlanta, Ga., at $12,000.

Winston Salem, N. C.—Plans have been prepared by J. L. Ludlow, Engr., Winston-Salem for the construction of a sewage disposal plant. Noted July 16.

Macon, Ga.—The citizens contemplate constructing a sewer system in the Vineville section. J. J. Gaillard is City Engr.

Ocala, Fla.—An election will be held to vote on the proposition of issuing bond for $100,000, the proceeds of which will be used for the construction of a sewer system.

Tampa, Fla.—The low bidders for constructing sewers in the De Soto Park section were Kennedy & Bond at $0.17 a lin.ft. Noted Sept. 10.

West Palm Beach, Fla.—At an election held Sept. 21, bonds were voted; the proceeds of which to be used for the construction of a sewer system.

+Bessemer, Ala.—(Official)—The contract for constructing a sanitary sewerage disposal plant has been awarded to the SOUTHERN ASPHALT & CONSTRUCTION CO., Birmingham, at approximately $85,000.

Louisville, Ky.—The Sewer system at the State Fair Grounds will probably be extended by the State Fair Board.

+Cincinnati, Ohio—(Official)—The contract for constructing a sewer in Mill Creek intercepter from Dane St. to Mitchell Ave., under Contract No. 3 has been awarded to THURBER & CO. at $163,590. Noted Sept. 24.

Cleveland, Ohio—The City Council contemplates issuing bonds for $200,000 the proceeds of which to be used for the building of a sewer in Dugway Brook.

Coshocton, Ohio—The State Board of Health has approved the plans of Chester & Fleming, Pittsburgh, Engrs., for the sewerage disposal plant and water reservoir of this city. Noted Aug. 27 and Sept. 3.

Franklin, Ohio—The citizens contemplate constructing sewers in the north side district.

+Port Clinton, Ohio—(Official)—The contract for constructing sewers in Ferry and Canal St. has been awarded to F. J. RICHARDSON, Port Clinton, at $5902. Bids opened Sept. 23. Noted Sept. 3.

Xenia, Ohio—Plans have been prepared by the W. J. Sherman Co., Toledo, for the construction of a new sewage disposal plant. Noted July 23.

+Terre Haute, Ind.—The contract for constructing a sewer in 18th St., from Liberty Ave. to Hulman St., has been awarded to the J. PAUL WELCH CO., at $12,500.

+Fairfield, Ill.—A contract for constructing a sanitary sewer system has been awarded to the RILEY CONSTRUCTION CO., St. Louis, Mo., at $29,348.

Beaver Dam, Wis.—Bids will be received by the City Clerk until Oct. 12, for constructing storm sewers in various streets.

+Kewaunee, Wis.—The contract for constructing a storm sewer in Milwaukee St. has been awarded to G. W. MULHOLLAND, Two Rivers, Wis., at $5000. Noted Sept. 24.

Kiel, Wis.—Bids will be received by Fred Duecker, Village Clk., for constructing and laying 2950 ft. of 10-in. vitrified pipe sewer; 318 ft. of 8-in. vitrified pipe sewer; 1000 ft. of 6-in. and 3000 ft. of 4-in. c.-i. water mains.

+La Crosse, Wis.—The contract for constructing a 12-in. vitrified sewer on 13th St., from Madison to Cass St., and on Fourth and Berlin Sts., has been awarded to OLAF SWEIMES, at $6953.

Oelwein, Iowa—(Official)—Bids were received Sept. 28 by the City Council for the enlargement of the filter beds as follows: Wilson & Dobson, New Hampton, $7783; Tschirgi & Son, Cedar Rapids, $7731; De La Hunt, Cedar Rapids, $10,060. All bids were rejected. The work will probably be done by day labor. Noted Sept. 24.

Postville, Iowa—An election will be held, Oct. 12, to vote on the proposition to issue $25,000 in bonds, the proceeds of which will be used for constructing a sewer system.

Brainerd, Minn.—Bids will be received by V. N. Roderick, City Clk., until 8 p.m., Oct. 19, for constructing a sewer in District No. 6.

St. Paul, Minn.—Bids will be received by A. Hohenstein, City Pur. Agt., until 10 a.m., Aug. 12, for constructing a sewer in Fulton St., from Palace St. to Jefferson Ave., and in Wentworth Ave., from Doane St. to St. Anthony Ave.

+St. Joseph, Mo.—Contracts have been awarded for constructing sewers in Districts Nos. 55 and 17 to the SKILLBRED CONSTRUCTION CO.; District No. 138, to J. F. BUIS; in District 127, to W. B. KELLY.

St. Joseph, Mo.—Bids will soon be received by the Board of Public Works for constructing sewers in Districts, Nos. 37, 98, 101, 111, 139 and 144.

+Argenta, Ark.—A contract for constructing a storm and sanitary sewer system in Sewer Improvement District No. 1 has been awarded to GASS & HORTON, Houston, Tex., at $275,245.

Cleburne, Tex.—The citizens contemplate holding an election to vote on $180,000 in bonds, the proceeds of which will be used for constructing a sewer system.

El Paso, Tex.—The City Council has purchased a site for the construction of the proposed sewage disposal plant. The filtration system will be used. The cost of the improvement will be about $25,000.

Fort Worth, Tex.—The City Commission has under consideration the construction of a sewage disposal plant to cost several hundred thousand dollars. Bonds will be issued for the purpose.

+Granger, Tex.—A contract for constructing a sewer system has been awarded to the DALLAS LIME & GRAVEL CO. at $12,236.

+Salt Lake City, Utah—The contract for the construction of a seven-mile sewer has been awarded by the City Commissioners to HENRY C. ULEN at $671,000.

Spokane, Wash.—Bids will be received by G. W. Duffy, City Clk., until Oct. 15, to construct a sewer. The approximate cost of the work is $18,500.

Portland, Ore.—Bids have been received by the City Council for sewer work as follows: In Base Line Road and East 78th St., Edward Sandeberg, for vitrified pipe, $7686; Keating & O'Neill, for vitrified pipe, $7584; Azar & Co., concrete pipe, $6334. Sewer in East Seventh and East Yamhill St., Edward Sandeberg, vitrified pipe, $10,336; George Gordon, vitrified pipe, $9468; Keating & O'Neill (pipe not specified), $10,436; Azar & Co., concrete pipe, $8591.

+Sacramento, Calif.—A contract for constructing a sewage pumping plant has been awarded to J. W. TERREL, at $21,950.

+San Francisco, Calif.—The Board of Public Works has awarded the contract for constructing a sewer in Fifth St. between Brannan and Channel Sts. to the HEALY-TIBBITTS CONSTRUCTION CO., San Francisco, at $66,000.

Willows, Calif.—Plans are being prepared by the City Engineer for the construction of a sewer. The estimated cost is $25,000.

Leamington, Ont.—Bids will soon be received by the Town Council for constructing a sewer. The estimated cost is $35,000. John A. Baird is Engr.

Peterboro, Ont.—Bids will soon be received by the City Council for the construction of a concrete sewer outlet.

+Toronto, Ont.—The contract for constructing a sewer in Windermere Ave. has been awarded to the CONNOLLY-AGNEW CONSTRUCTION CO., at $5365.

Regina, Sask.—The City Council will build an extension to the pump house at the sewage disposal work. The estimated cost of the work is $5000. M. F. McArthur is Engr.

GARBAGE

+Amsterdam, N. Y.—The MORSE BOULGER DESTRUCTOR CO., New York, N. Y., has been awarded the contract for the installation of a garbage incinerator, at $7900.

+Pensacola, Fla.—The city has awarded the contract to the NYE ODORLESS CREMATORY CO., Macon, Ga., for the construction of a 10-ton capacity crematory.

Iron Mountain, Mich.—The city plans to install a garbage incinerator.

Chicago, Ill.—The Board of Health has had plans prepared and will build a one-story brick garbage incinerator at 28th St. and Sacramento Ave. The estimated cost is $5000. E. W. Kallar is the Arch.

San Antonio, Tex.—The City Council has under consideration the construction of a garbage incinerator estimated to cost about $50,000.

STREETS AND ROADS

✚Boston, Mass.—The contract for a bituminous macadam roadway in Frankford St., East Boston, has been awarded to MARTINO DE MATTEO, at $5536. Other bids were, James Doherty, $5733; Hugh J. McGuire, $6327. Noted Sept. 24.

Bids will be received, until Oct. 13, by Public Works Department, for macadam roadways and hassam block pavement in Edgemont and Houston Sts., West Roxbury, and in Langden St., Roxbury District. J. K. Rourke is Comr.

✚New York, N. Y.—(Borough of Queens)—(Official)—Bids were received by Maurice E. Connolly, Pres., Borough of Queens, for regulating, grading, curbing and laying sidewalks, together with all work incidental thereto, in Thompson Ave., from Viaduct to Diagonal St., as follows: DEGNON CONTRACTING CO., $10,515 (awarded contract); Clancy & Nuhn Contracting Co., $10,907; Astoria Contracting Co., $11,634; Charles A. Meyers Contracting Co., $11,695; Welsh Bros. Contracting Co., $11,858; Evergreen Construction Co., $12,864; Thomas Crimmins Contracting Co., $13,992; Peace Bros., $14,215; L. S. Fulton, $15,060; Henry J. Mullen Contracting Co., $15,236; Leo E. Kelly, Inc., $17,503. Noted Sept. 24.

Oneonta, N. Y.—Plans are being prepared by F. M. Gurney, City Engr., for 13,330 sq.yd. of paving.

✚Rochester, N. Y.—The contract for paving Wren, Dove and Argo Sts. with asphalt has been awarded to RAUBER & VICINUS, 279 South Ave., at $23,697.

Newton, N. J.—The Board of Chosen Freeholders, Essex County, has approved plans for the construction of an improved road from Newton to Sparta, about five miles, at an estimated cost of $12,000, and the immediate advertising for bids. Harvey Snook is County Engr. Noted Sept. 24.

South Orange, N. J.—The Board of Trustees has passed an ordinance providing for the paving of Third St., between Valley and Church Sts., with 8-in. telford pavement.

✚Trenton, N. J.—The Board of City Commissioners has awarded a contract to the NEWTON PAVING CO. for macadamizing Cleveland Ave., from Greenwood to Hamilton Ave.

The State Road Commission is considering the improvement of the road from Keyport to Lakewood, by way of Freehold, and the highway from Berlin (Camden County) to Atlantic City.

Erie, Penn.—The City Council has passed an ordinance providing for the repaving of Ninth St., from State to German St. The approximate cost is $10,000.

Pittsburgh, Penn.—(Official)—Bids will be received by the City Controller, Municipal Hall, until 10 a.m., Oct. 12, for improving several streets by grading, curbing, paving and constructing sewers.

Baltimore, Md.—Bids will be received until Oct. 14, by the Board of Awards, City Hall at the City Register's Office, for the grading, curbing and paving with sheet asphalt and vitrified block, on concrete base, Center St., from Howard St. to Washington Pl., Saratoga St., from Green to Howard St., and Greene St., From Lexington to Franklin St., to be done under Contract No. 98. The work includes 5200 sq.yd. of vitrified block, 6520 sq.yd. of sheet asphalt. R. Keith Compton is Consulting Engr.

Petersburg, Va.—(Official)—Bids will be received by J. R. Jones, Chn. of St. Comn. until noon, Oct. 15, for constructing 13,000 sq.yd. of creosoted wood-block pavement on East Bank and Halifax St. P. G. Bunting is Clk. of the Comn.

✚Richmond, Va.—(Official)—Bids were received, Sept. 17, by the City Council, for 119,352 sq.yd. of paving, as follows: CENTRAL CONSTRUCTION & SUPPLY CO., $1.41 (awarded contract for 100,039 sq.yd. asphaltic concrete pavement); Atlantic Bitulithic Co., $1.29, $1.39; Hassam Paving Co., $1.41, $1.50; Contracting Public Works Co., $1.38, $1.40, $1.54; H. H. George, Jr., & A. L. P. Sons, $1.49 $1.54; Louis Lawson, $1.31; H. L. Mathews, $1.51, $1.65; F. J. McGuire, $1.49, $1.54, $1.59; R. M. Hudson, $1.34, $1.36; Union Paving Co., $1.51, $1.52; WASHINGTON ASPHALT BLOCK & TILE CO., $2.38 (awarded contract for 19,313 sq.yd. asphalt block pavement). Noted Sept. 10.

Ocala, Fla.—The City Council has passed an ordinance providing for the sale of $100,000 in bonds, the proceeds of which will be used for street paving.

✚West Palm Beach, Fla.—A contract for constructing a rock boulevard from Palm Beach to Delray, approximately 25 miles, has been awarded to EVERET P. MAULE, West Palm Beach.

Gadsden, Ala.—Bids will be received by Joseph Balfour, City Clk., until Oct. 12, for 9000 lin.ft. of 8-in. curbing and 36-in. gutters. The estimated cost of the work is $6300. Charles L. Marsh is City Engr.

Starkville, Miss.—The citizens of Oktibbeha County voted $130,000 in bonds the proceeds of which will be used for road construction.

New Orleans, La.—(Official)—Bids will be received by the Department of State Highways until noon, Oct. 19, for constructing a main public highway from Covington to Washington Parish Line, St. Tammany Parish, about 16½ miles.

Louisville, Ky.—Bids will be received by the Board of Public Works, until Oct. 14, for paving Ninth St., from Magazine to Cedar, with granite cubes laid in concrete.

✚Columbus, Ohio—(Official)—The State Department of Highways awarded contracts as follows:

Ashland County—Sect. 1, Ashland-Shelby Road, brick. D. A. PHILLIPS, Ashland, $2000.

Ashland County-Sec. H, Ashland-Loudonville Road, gravel macadam. D. A. PHILLIPS, Ashland, $25,937.

Columbia County-Cec. 2, Salem-Hanoverton Road, brick Jesse D. Paxton, Salem, $9,688.

Cuyahoga County—Sect. A, Twinsburg-Elyria Road, brick and one course concrete pavement. Award withheld.

Gallia County—Centerville-Vinton Road in Raccoon Township. JAMES C. VOELKER, Thurman, $7302.

Harrison County—Sect. A, Steubenville-Cambridge Road, waterbound macadam. J. P. WARNICK, Cadiz, $17,143.

Highland County—Allensburg-Lynchburg Road, waterbound macadam. E. BEAN, Highland, $7730.

Hocking County—Chillicothe-Logan Road, waterbound macadam, J. A. JONES, Ironton, $15,550.

Holmes County—Sect. 5, Millersburg-Canal Road, waterbound macadam. P. M. DEETZ, Millersburg, $9792.

Jackson County—Columbus Ironton Road. No bids. waterbound macadam. WOLFE & SEEPLE, Toledo, $21,000.

Jefferson County—Ohio River Road, brick. ANDREW W. McDONALD, Steubenville, $29,500.

Madison County—Washington-London Road, waterbound macadam. J. M. SNOUFFER, Columbus, $57,000.

Madison County—Sect. C, Marysville-London Road, waterbound macadam. J. M. SNOUFFER, Columbus, $47,400.

Vinton County—McArthur-Logan Road, waterbound macadam. J. R. FREINER, Hamden, $23,711.

Mahoning County—Sect. H, Akron-Youngstown Road, brick, W. E. ULE, Ravenna, $75,689.

Summit County—Sect. A, Akron-Medina Road, wood block. WILDS & DAVIDSON, Akron, $23,589.

✚Columbus, Ohio—The contract for repaving High St. from Livingston Ave. to Town St. has been awarded to the CLEVELAND TRINIDAD PAVING CO.

Lima, Ohio—The resurfacing of West High St. has been authorized by the City Council.

✚Norwalk, Ohio—(Official)—The contract for improving the Newman Road has been awarded to RILEY PARDO, Norwalk, at $8740. Other bids were: Modern Construction Co., $10,400; F. L. Rice & Sons, $9140. Noted Sept. 10.

✚Oak Hill, Ohio—The contract for paving Main St. has been awarded to KAPPE BROS., Portsmouth, at $5200.

Painesville, Ohio—The contract for paving the Ridge and Arnold Road in Willoughby Township with brick has not been awarded by the County Commissioners as the bonds were not sold. Noted Aug. 27.

Sandusky, Ohio—Bids will be reecived by the City Audr. until Oct. 31 for the sale of $41,000 in bonds. The proceeds of which will be used to improve sections of Scott, Fifth, Meigs, Monroe, Adams, Wayne and Van Buren St.

✚Crown Point, Ind.—A contract has been awarded by the County Commissioners to M. B. HEINY, Gary, at $24,530, for improving Cline and Fifth Aves. in Gary and 151st St. in Indiana Harbor.

✚Fort Wayne, Ind.—The contract for constructing the stone road on the line between Allen and DeKalb Counties has been awarded to CHARLES W. EHLING, at $15,983.

Hillsboro, Ill.—Bids were received by the Board of Local Improvements for paving Fairmount Place from Wolfe & Co., Alton, and Sell & Kollar, Pana.

✚Springfield, Ill.—The Illinois State Highway Commission awarded contracts, Sept. 29, for highway work as follows:

Fayette County, Route 6, Sect. A, 7065 lin.ft. concrete. P. M. JOHNSTON & CO., St. Elmo, Ill., $9995.

Schuyler County, Route 5, Sect. A, 6766 lin.ft. concrete. J. E. BALL & CO., Genoa, $6766.

Tazewell County, Route 10, Sect. D, 4000 lin.ft. concrete. W. D. ALEXANDER CO., Normal, Ill., $7800.

Whiteside County, Route 6, Sect. A, 2800 lin.ft. concrete. SHUGART & MUNSON, Nevada, Mo., $7219.

Rock Island County, Route 11, Sect. A, 4969 lin.ft. concrete. McCARTHY IMPROVEMENT CO., Davenport, Iowa, $7250. Noted Sept. 24.

Sullivan, Ill.—(Official)—Bids will be received until 2 p.m., Oct. 12, for constructing approximately 10,000 sq.yd. of brick pavement, 8000 lin.ft. of combined concrete curb and gutter. Claude L. James, Mattoon, Ill., is Engr.-in-Charge.

✚Ashland, Wis.—The contract for grading White River Hill has been awarded to M. APPLEYARD, at approximately $9000.

✚Fond du Lac, Wis.—According to press reports a contract for street improvement has been awarded to G. H. STANCHFIELD. Noted Sept. 17.

✚Madison, Wis.—Contracts for paving West Main and Francis St. and West Washington Ave. with asphalt have been awarded to the JOHNSON CONTRACTING CO., Milwaukee, at $5800, $3000 and $15,000 respectively.

Anamosa, Iowa—Bids will be received by C. V. Fisher, City Clk., until 6 p.m., Oct. 12, for paving about 1500 sq.yd. with vitrified paving blocks.

✚Carroll, Iowa—The contract for constructing seven miles of the Lincoln Highway has been awarded to LITTIG BROS., Davenport, at $5704.

Des Moines, Iowa—Bids will be received by Horace Susong, City Clk., until 9 a.m., Oct. 14, for paving Sixth Ave.

Morris, Minn.—Bids will be received by F. E. Ware, Audr. of Stevens County until 10 a.m., Oct. 16, for constructing state road No. 2. The road is about two miles long and requires 1312 cu.yd. excavation.

✚Sanborn, Minn.—A contract for grading the state road through Brown County has been awarded to SCHMITZ, LEOPOLD & JENSEN, Wabasso, at $12,804.

Atchison, Kan.—(Official)—Bids will be received by the oBard of County Commissioners until noon, Oct. 19, for improving the Leavenworth Branch Road. C. M. Volker is County Engr.

✚Leavenworth, Kan.—The contract for paving Sixth St., from Choctow to Oak St., has been awarded to the E. W. GEIGER CONSTRUCTION CO.

Pittsburgh, Kan.—According to press reports bids will be received by L. Boyd, City Clk., until Oct. 14, for resurfacing a section of Broadway.

✚The contract for paving a section of Grand Ave. with brick has been awarded to the WILLIAMS CONSTRUCTION CO., Joplin, Mo.

✚Omaha, Neb.—The contract for paving Military Ave. has been awarded to the OFFERMAN CONSTRUCTION CO., South Omaha.

Independence, Mo.—The County Court will rebuild 12½ miles of rock road between Lone Jack and Lee's Summit and will have the work done under its own supervision without letting contracts.

✚Nevada, Mo.—A contract for paving 12,000 sq.yd. with asphalt macadam has been awarded to V. G. KOCH, Joplin, Mo.

Osceola, Mo.—An election will be held Nov. 3 to vote on the proposition of issuing $14,000 in bonds for constructing roads.

✚Pine Bluff, Ark.—A contract for constructing 28 miles of macadam road from Star City to Jefferson County Line via Grady has been awarded to E. A. HENSLEY and John PERDUE at approximately $108,000.

Rockwall, Tex.—Rockwall County will issue $20,000 in bonds for road improvements.

San Antonio, Tex.—Preliminary steps have been taken by D. E. Colp of San Antonio, Secy. of the Texas Good Roads League and Asst. Secy. of the Texas division of the National Highway Association, to obtain a 100-ft. right of way for a proposed asphalt highway to be constructed through the state from north to south. The route of the proposed highway is from Wichita Falls, situated near the Texas-Oklahoma border, to Laredo on the Mexico border, passing through Fort Worth, Waco, Austin, San Antonio and a number of smaller towns.

Sherman, Tex.—The City Council will soon receive bids for paving East Lamar St.

McAllister, Okla.—Bids will be received by the City Council until Oct. 14, to pave Third St. from Delaware to Miami Ave. J. M. Gannaway is City Clk.

✚Pocatello, Idaho—A contract for paving District No. 6, 7 and 8 has been awarded to STRANGE & McGUIRE, Lewistown, Mont., at $36,000. Noted Aug. 27.

✚Seattle, Wash.—The contract for paving Queen Anne Blvd. with asphalt has been awarded to D. H. TRAPHAGEN at $8780.

(Official)—Bids will be received by the Board of County Commissioners of King County until 10 a.m., Oct. 20, for constructing the Medina-Bellvue Road.

Seattle, Wash.—Bids will be received by the Board of County Commissioners, until Oct. 12, for paving 14th Ave. south to Des Moines Road. Byron Phelps is Clk. of the Bd.

✚Portland, Ore.—The contract for concrete walks, curbs, etc. on 61st St., S. E., has been awarded to MILLER & BAUER, at $16,326.

Arcadia, Calif.—The city contemplates spending about $150,000 for constructing oil macadam roads within the city limits. Mark Ehle is City Eng.

Eureka, Calif.—(Official)—Bids will be received by the Board of Supervisors of Humboldt County until 2 p.m., Oct. 13, for the purchase of $150,000 in bonds for highways.

✚Los Angeles, Calif.—The FAIRCHILD-GILMORE-WILTON CO. has been awarded the contract at $97,120, for improving Lyon St. from Macy to Aliso St.

✚Los Angeles, Calif.—The FAIRCHILD-GILMORE-WILTON CO. has been awarded a contract at $114,025, for improving Sixth St., from Palso Verdes St. to Cabrillo Ave.

Red Bluff, Calif.—Bids will be received by the Board of Supervisors, until Oct. 14, for the construction of a section of the Red Bluff and Susanville Road. H. C. Kauffman is Chmn. of the Bd. of Supervisors.

✚Sacramento, Calif.—The State Highway Commission has awarded contracts for road construction as follows: Santa Clara County, from southerly boundary to Los Gatos, to JOHN A. MARSHALL, of Berkeley, at $72,626; Contra Costa County, from Eckley to Martinez, to BATES, BORLAND & AYER, Oakland, at $42,097; Siskiyou County, from Weed to Dunsmuir, to TOOHEY & JOHNSON, Phoenix, Ariz., at $67,123; Los Angeles County, from Section 17 to the Castiac School, to MAHONEY BROS., San Francisco, at $123,158. Bids for work in Napa and Glenn Counties have been rejected and the work will be done by day labor. Noted Sept. 10 and Oct. 1.

San Francisco, Calif.—The city will pave the Civic Center with vitrified brick and improve the streets leading to the exposition, and Tenth and Eleventh Sts. The cost will be about $180,000.

Sloat Boulevard is to be paved by the city, the United R.R. and the Spring Valley Water Co., at a cost of $96,000.

✚Santa Barbara, Calif.—(Official)—A contract for street and sewer work in Moreno-Grand-Valerio Improvement District has been awarded to F. R. RITCHIE & CO., San Francisco, at $47,872. N. F. Hewitt Co., Los Angeles, submitted a bid of $52,286.

Santa Monica, Calif.—Bids will be received by the City Clerk, until Oct. 12, for improving portions of Ashland Ave. from Eighth to 14th St.

✚Upland, Calif.—The contract for improving 12th St. has been awarded to the GEORGE SNYDER CONTRACTING CO., Ocean Park.

Chatam, Ont.—The City Council has had plans prepared for constructing 9150 sq.yd. of concrete pavement. The estimated cost is $12,500. W. G. Merr is City Clk.

Ford City, Ont.—The City Council has awarded the contract to the CANADIAN DOLARWAY PAVING CO., LTD., Royal Bank Bldg., Windsor, for resurfacing a section of Sandwich St.

South Vancouver, B. C.—The City Council proposes to pave 63d Ave. with gravel bitulithic. The approximate cost of the work is $15,000. S. B. Bennett is Municipal Engr.

✚South Vancouver, B. C.—The contract for paving Victoria Road has been awarded to the BITULITHIC PAVING CO. at $71,000.

INDUSTRIAL WORKS

✚Auburn, Maine—The contract for the erection of a factory for the Manufacturers' Box Co. has been awarded to FRED W. KEENE, 45 Fourth Ave. Lancaster & Libby, General Theatre Bldg., Lewiston, Maine, are the Archs.

Manchester, N. H.—Plans are being prepared for a two-story factory for the Amoskeag Mfg. Co. The estimated cost is $50,000.

✚Boston, Mass.—The contract for the construction of the two-story building for the U. S. Fastener Co. has been awarded to C. A. DODGE & CO., Erie and Albany Sts., Cambridge.

✚Holyoke, Mass.—The contract for the construction of the factory on Winter St. for the Eureka Ruling & Binding Co. has beeen awarded to JOHN J. O'NEIL CO., Holyoke, Mass., at $20,800. Ellsworth & Howes are the Archs.

✚New York, N. Y.—(Borough of Queens)—The contract for the construction of the superstructure of the warehouse and assembly plant, at Long Island City, for the Ford Motor Co., has been awarded to the W. L. CROW CONSTRUCTION CO., 103 Park Ave. Noted July 30.

✚The general contract for the construction of a can factory at the Devoe works of the Standard Oil Co., at Long Island City, has been awarded to H. D. BEST & CO., 320 Fifth Ave., New York. The estimated cost is $200,000.

✚Baltimore, Md.—The contract for the construction of the storage building for the Crown Cork & Seal Co. has been awarded to the WEST CONSTRUCTION CO., Knickerbocker Bldg., Baltimore.

✚The contract for the construction of the factory and warehouse for the Dix Mfg. Co. has been awarded to JAMES J. O'CONNER, 427 East Lexington St. Noted Aug. 13.

✚Charlotte, N. C.—The general contract for the construction of the warehouse for Alexander Sprunt & Sons has been awarded to the FISKE CARTER CONSTRUCTION CO., Greenville, S. C.

Louisville, Ky.—R. L. Kaufman, Mgr. Grocers' Biscuit Co., announces that plans are being prepared for rebuilding the plant, recently destroyed by fire.

Carrollton, Ohio—M. F. Albright and Richard Albright, Carrollton, plan to construct a seven-kiln pottery.

Cleveland, Ohio—G. T. Bauder, 2869 Coleridge Ave., Cleveland, will erect a $25,000 manufacturing plant at 2125 Superior Ave., to be used for a cloak and suit factory.

✚The contract has been awarded to MORROW BROS., Baltimore, for constructing the four-story reinforced-concrete, brick and terra cotta assembly plant for the Ford Motor Co., Cleveland.

✚Cleveland, Ohio—The Osborn Engineerinf Co., Arch., has awarded the contract to the MASTERS & MULLEN CO., Cleveland, for constructing four factory buildings for the Atlantic Refining Co., at East 79th St. and Kinsman Rd. Estimated cost, $12,000.

✚Cleveland, Ohio—The contract for the construction of the 10-story commercial warehouse at Mandrake and West Ninth Sts., for the William Bingham Co., Superior Ave., Cleveland, has been awarded the CROWELL-LUNDOFF-LITTLE CO., 1951 East 57th St., Cleveland. Estimated cost, $1,000,000. Christian, Schwarzenberg & Gade, 1900 Euclid Ave., Cleveland, are the Archs.

The Hildebrand Provision Co. plans to construct a factory at its plant on Clark Ave. It will be two stories, 76x 66 ft., of reinforced concrete. Estimated cost, $16,000.

The West Steel Castings Co. will ask for bids soon for constructing a factory. It will be one story, 51x95 ft. Estimated cost, $50,000.

The Cleveland & Youngstown Ry. Co. plans to construct a six-story freight terminal and warehouse at Broadway and Orange Ave. Estimated cost, $750,000.

Napoleon, Ohio—The Detroit, Toledo & Ironton R.R. plans to construct a 13-stall roundhouse at Napoleon.

Youngstown, Ohio—The Willys-Overland Co. plans to construct extensions at its plant to cost $200,000.

Connersville, Ind.—The city will establish a municipal abattoir, requiring refrigerating apparatus and other equipment.

Kenosha, Wis.—The Bain Wagon Co. plans to construct a warehouse and paint shop of brick, concrete and mill construction, two-story and basement, 54x192 ft. and 50x175 ft. The superstructure plans are in preparation. Estimated cost, $80,000; D. J. Harif is Supt.

Port Edwards, Wis.—The Nekoosa-Edwards Paper Co., Port Edwards, plans improvements at its plant, to cost $25,000.

✚Davenport, Iowa—The Henry Kohrs Packing Co. has awarded the contract to A. A. ARNAULD, McManus Bldg., Davenport, for constructing an addition to its packing plant, at $10,000.

Keokuk, Iowa—The Johnson Smelting Co., Keokuk, plans to construct a building at Keokuk to cost $75,000.

Duluth, Minn.—The Northwestern Textile Co. plans to construct a factory at Duluth. Estimated cost, $50,000.

Duluth, Minn.—The Zenith Furnace Co., Duluth, plans to construct improvements at its furnace here. Estimated cost, $35,000.

Idaho Falls, Idaho—A site has been secured in this city for the construction of a factory by the C. O. Farm Implement Co. Work will begin soon. The company is represented locally by S. Keller, of the F. C. Bowman Co.

Pasco, Wash.—W. F. Chute, Pasco, plans to construct a large grape-juice factory here. Financial arrangements for the plant have been made.

Spokane, Wash.—P. C. Patterson, local representative of W. P. Fuller & Co., has secured a site on Desmet Ave., on which the company will erect a warehouse. Estimated cost, $50,000.

Sumas, Wash.—The Standard Powders Co., Grand Hotel, Sumas, plans to construct a new factory.

Tacoma, Wash.—The Monogram Shingle Co. plans to rebuild its plant recently destroyed by fire.

Hillsboro, Ore.—The Pacific Coast Condensed Milk Co., Hillsboro, will enlarge its milk-condensing plant at an estimated cost of $25,000.

✚**Los Angeles, Calif.**—The contract has been awarded to the DAVIDSON CONSTRUCTION CO., 16th and Tennessee Sts., Los Angeles, for the construction of a one-story brick laundry at 915 North Yale St., for the Los Angeles Laundry Co., 637 San Fernando St. Estimated cost, $35,000. The building will be 155x260 ft., with a concrete foundation, cement floors, reinforced-concrete tanks and floor slabs and ruffled brick facing. Plans were prepared by Fred A. Hale, Arch., 644 San Fernando St.

✚**Montreal, Que.**—The contract has been awarded to ANGLINS, LTD., 65 Victoria St., Montreal, for the construction of the five-story addition to the plant of the Toilet Laundry Co., Ltd. Estimated cost, $75,000.

St. Jerome, Que.—Benoit & Girard, Archs., Southam Bldg., Montreal, Que., are receiving bids for constructing two factories at St. Jerome, Que., one story, each 50x100 ft., of brick.

Edmonton, Alta.—Hardie & Maitland, Archs., Edmonton, have completed plans for a warehouse to be constructed in Third St., for M. A. Miller. Estimated cost, $28,000.

FEDERAL GOVERNMENT WORK

✚**Test Piles**—Boston, Mass.—The contract for driving, testing and pulling piles at the building on Atlantic Ave. for the U. S. appraisers stores, has been awarded to W. A. NORTEN, South Boston. The building will be of brick, eight-stories, 35x170 ft. W. N. Collier, Post office Bldg., is in charge. Noted Oct. 1.

Shipbuilding Ways, Etc.—Boston, Mass.—Bids will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 a.m., Oct. 24, for shipbuilding ways and appurtenances at the Navy Yard, Boston, Mass. Plans may be obtained on application to the Bureau or to the Commandant of the navy yard. H. R. Stanford is Chief of the Bureau.

✚**Paving**—Springfield, Mass.—The contract for paving with vitrified brick that portion of Pearl St. belonging to the United States and for resurfacing a portion of the same street, has been awarded to ADAMS & RUXTON, Springfield, at $9000. Noted Sept. 3.

★**For Purchasing Steamer**—Newport, R. I.—(Official)—Bids will be received at the U. S. Engineers office, Newport until 11 a.m., Nov. 2, for purchasing the steamer "Cora." For further information see item under "Contracts To Be Let."

Repairs To Roof—Buffalo, N. Y.—Bids will be received by the Custodian, U. S. Public Bldg., until 2 p.m., Oct. 13, for making repairs to the roof of the building.

Cement—New York, N. Y.—Bids will be received until noon, Oct. 19, by Col. A. L. Smith, Depot Quartermaster, Army Bldg., for delivering 14,000 barrels of Portland cement.

Sheet Metal Work—New York, N. Y.—(Official)—The following are the bids received for replacing of the old c.-i. roof with sheet metal on the U. S. Court House and Post Office, New York: Howard H. Peterson, New York, $57,400; Trinity Construction Co., New York, $29,317; North East Construction Co., New York, $39,675; Keipden Construction Co., New York, $25,400; Neptune B. Smyth, New York, $24,893. Noted Sept. 24.

✚**Lock Gates**—Troy, N. Y.—The following are the bids received by Col. William Black, Corps Engrs., U. S. A., Army Bldg., for erecting three miter lock gates at Troy Locks, Hudson River; Vulcan Rail & Construction Co., New York, N. Y., $33,108; Independent Bridge Co., Pittsburgh, Penn., $22,380; Whitehead & Kales Iron Works, Detroit, Mich., $27,081; Penn Bridge Co., Beaver Falls, Penn., $23,849; KING BRIDGE CO., Cleveland, Ohio, $21,383 (awarded contract).

Post Office—Jersey City, N. J.—The government will soon call for bids for constructing a post office in the Hudson City section.

★**Steel Hull**—Pittsburgh, Penn.—(Official)—Bids will be received by Lieut. Col. Francis R. Shunk, U. S. Engineer's office, Pittsburgh, Penn., until noon, Nov. 6, for constructing the steel hull for the inspection and survey boat "Kittanning."

★**Wye Levels**—Washington, D. C.—(Official)—Bids will be received at the office of the Coast and Geodetic Survey, 205 New Jersey Ave. S. E., Washington, D. C., until 2 p.m., Oct. 12, for furnishing eight engineer's wye levels, 18-in., with tripods. Specifications may be obtained on application to the Superintendent, Coast and Geodetic Survey.

Life Saving Station—Lillington, N. C.—Bids will be received until 2 p.m., Oct. 14, by S. I. Kimball, Gen. Supt., Life Saving Service, Washington, D. C., for the construction of a life saving station at Cape Fear, N. C.

Motor Boat—Wilmington, N. C.—(Official)—The following are the bids received by Maj. H. W. Sticke, Corps Engrs., U. S. A., for constructing the motor boat "Neuse": Mathis Yacht Building Co., $12,690; Kyle & Purdy, Inc., $14,678; Murray & Tregurtha Co., $14,210; Gas Engine & Power Co. and Charles L. Seabury & Co., $19,893; Welin Marine Equipment Co., $13,155; Matthews Boat Co., $13,333; John F. Bell Co., $9449; Camden Anchor Rockland Machine Co., $14,150; Greenport Basin & Construction Co., $13,845; Elco Co., $18,637.

Mill Work—Atlanta, Ga.—Bids were received by F. H. Duehay, Supt. of Prisons, Dept. of Justice, Washington, D. C., for mill work for the hospital building at the U. S. Penitentiary, Atlanta, from the Huttig Sash & Door Co., St. Louis, Mo., at $6137 and the Alfred Struck Co., Louisville, Ky., at $5047. Noted Sept. 10.

Repairs To Building—Savannah, Ga.—Bids will be received until Oct. 20, by the Custodian, U. S. post office, for making repairs to the building.

Post Office—Fayetteville, Tenn.—(Official)—Bids will be received until 3 p.m., Nov. 19, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for constructing a one-story and basement stone and brick post office at Fayetteville.

Post Office—Gary, Ind.—Bids received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for constructing the post office at Gary, have been rejected. Noted June 25 and Aug. 13.

Breakwater—Indiana Harbor, Ind.—The following are the bids received by Lieut. Col. W. V. Judson, Corps, Engrs., U. S. A. for constructing a rubble mound breakwater at Indiana Harbor; Edward Gillen Dock, Dredge & Construction Co., Racine, Wis., $1.84½ (per ton of 2000 lb.); Burk, Smith & Nelson, Muskegon, Mich., $2; Great Lakes Dredge & Dock Co., Chicago, Ill., $1.48; Fitz-Simmons & Connell Dredge & Dock Co., Chicago, Ill., $2.25; Greiling Bros. Co., Green Bay, Wis., $1.58; Byrne Bros., Dredging & Engineering Co., Chicago, $2.75. Noted Sept. 3.

Post Office—Cadillac, Mich.—The following are the bids received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, for constructing the post office at Cadillac: Northern Construction Co., Milwaukee, Wis., $68,849; Cadillac Cabinet & Construction Co., Cadillac, $78,000; C. Hoertz & Son, Grand Rapids, Mich., $65,378.

Breakwater—Marquette, Mich.—Bids will be received until 10 a.m., Oct. 23, at the U. S. Engineer's Office, Canal Park, Duluth, Minn., for constructing a rubble mound breakwater at Marquette.

Post Office—Canton, Ill.—(Official)—Bids will be received until 3 p.m., Nov. 10, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for constructing a two-story and basement stone, terra cotta and brick post office at Canton.

✚**Elevators**—Wichita, Kan.—The contract for the installation of hoistway, electric passenger elevator, hydraulic lift, etc., in the U. S. post office at Wichita, has been awarded to KAESTNER & HECHT, Chicago, Ill., at $8200.

✚**Steel Flumes**—North Platte, Neb.—(Official)—The contract for furnishing steel flumes for the North Platte Irrigation Project has been awarded by the U. S. Reclamation Service to the HINMAN HYDRAULIC MFG. CO., Denver, Colo., at $6773 f.o.b. Denver.

Post Office—Amarillo, Tex.—The following are the bids received by Oscar Wenderoth, Superv. Arch., Washington, D. C., for constructing the post office at Amarillo: (a) limestone; (b) limestone and sandstone; (c) sandstone. M. Yeager & Son, Danville, Ill., (a) $167,359; (b) $179,359; (c) $174,359. J. L. Crouse & Son, Greensburo, N. C., (a) $168,604; (b) $174,604; (c) $175,604. George W. Stiles Construction Co., Chicago, Ill., (a) $176,600; (b) $186,600; (c) $188,600. H. S. Moore, La Fayette, Ind., (a) $179,072; (c) $193,485. W. M. Rice, Amarillo, (a) $184,811; J. H. Weise, Omaha, Neb., (a) $188,720. J. E. & A. L. Pennock, Philadelphia, Penn., (a) $188,747; (c) $196,630. Dieter & Wenzel Construction Co., Wichita, Kan., (a) $192,800. C. G. Roganamore, Amarillo, (a) $194,989. Noted Aug. 27.

✚**Post Office**—Clarksville, Tex.—The contract for the construction of the post office at Clarksville has been awarded to G. A. SHAUL, Seneca, Kan., at $41,956.

✚**Elevator**—Guthrie, Okla.—The contract for installing the passenger elevator in the U. S. post office and court house at Guthrie has been awarded to KAESTNER & HECHT, Chicago, Ill., at $5390. Noted June 25 and July 30.

★**Canal Work**—Provo, Utah—Bids will be received at the office of the United States Reclamation Service, Provo, Utah, until Nov. 15, for the construction of divisions 1, 2 and 3 of the High Line Canal and structures, Strawberry Valley project, Utah, involving about 384,000 cu.yd. of canal excavation, 2300 cu.yd. of excavation for structures, 3300 cu.yd. of reinforced concrete, 167,000 sq.ft. of canal lining, 230 lin.ft. of tunnel, complete, with concrete lining, laying about 1700 ft. of vitrified pipe of various sizes; also 1400 cu.yd. of back-filling and small quantities of rock-filling and stone paving and the placing of sluice gates and structural steel. The canal will extend in a southwesterly direction from the power plant of the U. S. Reclamation Service, near the mouth of Spanish Fork Cañon, to a station near Payson City.

Canal Work—Benton City, Wash.—Bids will be received at the office of the U. S. Reclamation Service, Sunnyside, Wash., until 2 p.m., Oct. 26, for the construction of about 13¼ miles of main canal extension of the Sunnyside Canal, near Benton City. The work requires the excavation of about 67,400 cu.yd. of earth and 17,550 cu.yd. of rock, the construction of six pipe lines, the total length of which is about 4240 ft.

Dredging and Jetty Work—Port Townsend, Wash.—Bids will be received until noon, Oct. 16, by Maj. J. B. Cavanaugh, Burke Bldg., Seattle, Wash., for dredging and jetty construction in Port Townsend Bay and Oak Bay, Wash.

★**Post Office**—The Dallas, Ore.—(Official)—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Nov. 12, for constructing the U. S. post office. For further information see advertisement under "Contracts To Be Let."

Ward Pavilions—Ware Island (Vallejo post office), Calif.—(Official)—Bids will be received until 11 a.m., Oct. 31, by H. R. Stanford, Chief, Bureau of Yards and Docks, Washington, D. C., for the construction of five temporary one-story wooden ward pavilions at the Naval Hospital Reservation.

Pipe Construction—Honolulu, Hawaii—The government will soon call for bids for constructing water pipes from Fort Shafter to Kamehameha, about six miles. Lieut. Col. E. B. Cheatham is Chief Quartermaster.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Oct. 27, by Maj. F. C. Boggs, Gen. Pur. officer of the Panama Canal, Washington, D. C., for furnishing structural steel, galvanized steel, steel cable, chain, nails, bronze bars, brass and copper tubing, buckets, garbage cans, water coolers, door bolts, tool handles, cotton waste, magnesia pipe covering, marline, sandpaper, oilcloth, mattress ticking, leather mattress tufts, chamois skins, lime, soap, muriatic acid, carbon bisulphide, paints, varnish, cardboard and lumber.

Miscellaneous Supplies—Panama—Bids will be received by Maj. F. C. Boggs, Gen. Pur. Officer, Panama Canal Comn., Washington, D. C., until Oct. 9, for furnishing electrical apparatus, iron or steel pipe, iron and brass pipe fittings, c.-i. soil bends, c.-i. water fittings, angle and globe valves, brass cocks, flush ells, traps and ferrules.

Underground Cable—Panama—Bids will be received until 10:30 a.m., Oct. 16, by Maj. F. C. Boggs, Gen. Pur. Officer, Panama Canal Comn., Washington, D. C., for underground cable work at Ancon, Balboa, and Gatun. The work requires bracing rods, angle and sheet steel, soft steel, checkered steel plates, natural black slate, paint mills and paint mixers.

Substructures—San Juan, Porto Rico—The following bids were received by the Light-House Inspector, San Juan, for erecting three iron substructures on concrete piles at Anedago Shoal front and rear range lights and Catano front range light, in San Juan Harbor: P. J. Carlin Construction Co., New York, N. Y., $5450; Joseph J. Blandford, $5572; Thomas Sampson, $5960. Noted Aug. 6.

MISCELLANEOUS

+Sea Wall—Boston, Mass.—The contract for building the sea wall at Winthrop Shore Reservation, Winthrop, has been awarded to CAPUTO & GIOVANNINI, Boston, at $21,651. Other bids were as follows: J. H. Ferguson, Dorchester, $22,-301; Rowe Contracting Co., Boston, $23,660; Leighton Mitchell Co., Boston, $24,253; Lawler Bros., Charlestown, $24,895; W. H. Ellis & Son Co., East Boston, $26,450; Boston Contracting Co., Charlestown, $27,280; John Cashman & Sons Co., Boston, $27,-922; T. Stuart & Son Co., Newton, $28,014; Thomas Fitzgibbon, Beverly, $28,800; Hugh Nawn Contracting Co., Roxbury, $30,-240; Michael D. Russo, Boston, $31,439; Coleman Bros., Boston, $33,385; Hancock Engineering Co., Boston, $35,568; McCarthy & Walsh, East Boston, $37,427; George T. Rendle Co., East Boston, $40,197. John R. Rablin, 114 Bergen St., is Ch. Engr., Metropolitan Park Comn.

+Filling—Providence, R. I.—The contract for filling at the seawall, Fields Point, has been awarded to the WILSON & ENGLISH CONSTRUCTION CO., New York, N. Y., at $59,434.

Subway—New York, N. Y.—(Borough of Brooklyn)—Bids were received Oct. 6, by the Public Service Commission, 154 Nassau St., for constructing subway to connect the Lexington Ave. line with the present Fourth Ave. line as follows: Holbrook, Cabot & Rollins Corporation, 331 Madison Ave., New York, $4,353,000; Smith Hauser & McIsaac, Inc., 18 East 41st St., New York; $4,241,000; Rapid Transit Subway Construction Co., 165 Broadway, New York, $3,079,000; T. A. Gillespie & Co., 50 Church St., New York, $3,390,00; Degnon Contracting Co., 30 East 42d St., New York, $3,124,000. These are unofficial totals. Noted Sept. 17.

Motor Fire Apparatus—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 10:30 a.m., Oct. 16, by Robert Adamson, Fire Commissioner, Municipal Bldg., for furnishing and delivering two gasoline propelled tractors, one for steam fire engine and one for hook and ladder truck.

Bids will also be received on the same date for furnishing and delivering 10 gasoline propelled tractors, seven for steam fire engines and three for hook and ladder trucks.

Loading Platform—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until noon, Oct. 15, by J. T. Fetherston, Commissioner of Street Cleaning, Municipal Bldg., for furnishing all the labor and material required for the construction of a covered dumping board and ramp on a concrete and pile platform, between 77th and 78th St., North River, Borough of Manhattan.

+Vessel—New York, N. Y.—The Gulf Oil Co. has placed an order with the NEW YORK SHIPBUILDING CO. for an oil tanker of 2,205,000-gal. capacity. The estimated cost is $250,-000.

+Playground—New York, N. Y.—(Borough of Brooklyn)—The contract for the construction of the Betsy Head Memorial Playground and Recreation Center in the Brownsville section of Brooklyn has been awarded to the T. J. BUCKLEY CONSTRUCTION CO., 303 Fifth Ave., New York. The estimated cost is about $100,000. Noted Aug. 20.

Elevated Railroad Work—New York, N. Y.—(Borough of Manhattan)—The Interborough Rapid Transit Co. has notified the Public Service Commission that it has agreed to the widening of the 23d St. station platforms.

+Dredging—Rochester, N. Y.—The State Engineers office has awarded the contract to the EASTOVER CONSTRUCTION CO. for dredging a channel through Billinghurst Island, located in the Chemung River. The estimated cost is $25,000.

Fire Station—Hoboken, N. J.—Plans have been completed and bids will be received shortly by the City Council for the erection of a fire station to replace that of Engine Co. 3, recently torn down.

Repairing Public Ground—Hoboken, N. J.—Bids will be received by the Hoboken City Council until Oct. 14, for repairs to the public ground. Address City Hall, Hoboken.

Retaining Wall—Bradentown, Fla.—(Official)—Philip Lacey, Comr. of Pub. Wks., will receive bids until Oct. 12 for the construction of a 700-ft. reinforced concrete retaining wall, including filling, piles and handrail. About 326 cu.yd. concrete will be required.

+Retaining Wall and Dredging—Jacksonville, Fla.—The Port Commissioners, F. W. Bruce, Ch. Engr., have awarded the contract to WADE, CLOWER & WADE, Jacksonville, for the construction of retaining wall for municipal docks. The contract for the steel piling was awarded to the LACKAWANNA STEEL CO., Lackawanna, N. Y., and for dredging and filling about 100,000 cu.yd. to the HOME DREDGING CO., Mobile. Estimated cost $80,000.

Drainage—Titusville, Fla.—Upper St. Johns Drainage District has been established by decree of the court. The district embraces 265,000 acres in the valley of the St. Johns River in Brevard, Orange and Osceola Counties, including basins of Lakes Poinsett, Winder and Washington. Isham Randolph & Co., Chicago and Jacksonville, are the Engrs.

Seawall—West Palm Beach, Fla.—The city has voted $100,-000 bonds for the construction of a seawall along Lake Worth.

Playgrounds—Birmingham, Ala.—A budget calling for an expenditure of $15,375 for the maintenance of playgrounds for the coming year has been presented to the City Commission by the playground associations.

+Drainage—Ripley, Miss.—Telahatchie Drainage District No. 1, of Tippah County has awarded the contract to N. C. McGINNIS CO., Memphis, Tenn., for the construction of a drainage canal; channel 14 ft. wide, dredge boat construction. About 539 acres of land will be drained for agricultural purposes. Noted Sept. 10.

Fire Station—Akron, Ohio—Bids on the revised plans for the fire station for engine company No. 1, have been received. The Akron Storage & Contracting Co., at $47,000 was the lowest bidder. Noted Sept. 17.

Elimination of Grade Crossing, Parks and Playgrounds—Dayton, Ohio—The resolution has been passed providing for a bond issue of $1,000,000 for the citys share of the expense for the elimination of grade crossings. Also an issue of $250,000 in bonds for purchasing and improving property for parks and playgrounds.

Drains—Muncie, Ind.—Bids will be received until 2 p.m., Oct. 12, by Gideon Warren, Supt. of Const. for open drain and tile drain.

Ditch—Gridley, Ill.—Bids will be received until Oct. 15 by Township Drainage District No. 1 for the excavation of 63,000 cu.yd. of ditch. Harman Engineering Co., Peoria, are the Engrs.

Retaining Walls—Delevan, Wis.—Harley J. Doane, City Clk., will receive bids until Oct. 16, for the construction of retaining walls on both sides of the ditch from Phœnix St. North.

Breakwater—Milwaukee, Wis.—The Park Board has voted to construct an addition 800 ft. of breakwater to preserve the dirt which will be dumped for the construction of the proposed lake shore drive.

+Grain Sheds—Milwaukee, Wis.—The contract for the construction of grain storage sheds for the Milwaukee Malting Co., South Bay, has been awarded to F. LUENZMANN at $10,000.

+Dock Reconstruction—Racine, Wis.—The Goodrich Transportation Co. has awarded the contract to PETER W. GALLOWAY, for rebuilding its docks. The estimated cost is $15,000.

+Drainage—Forest City, Iowa—The contract for open work in Drainage District No. 5 has been awarded to R. S. MORROW, Council Bluffs, at $10.40 per cu.yd.; tile work, to D. L. DAVIDSON, Forest City, at $33,000; NATIONAL CLAY WORKS, Mason City, for furnishing tile. Noted Aug. 6.

+Drainage—Storm Lake, Iowa—The following contracts have been awarded: (Contract 60) SAC CITY CEMENT PRODUCTS CO.; (Contract 61) NEWELL CEMENT TILE CO.; (Contract 63) SAC CITY CEMENT PRODUCTS CO.; (Contract 65) McHOSE TILE CO., Boone.

+Ditch—Williams, Iowa—The contract for the construction of the Lohman tile ditch has been awarded to the NATIONAL SEWER PIPE CO., at $14,244; labor, to T. J. BLACKMORE, at $8261.

Ditch—Red Lake Falls, Minn.—Bids will be received until 2 p.m., Oct. 17, by George Bupond, County Audr., for the construction of Judicial Ditch No. 60. Work will include 424,000 cu.yd. earth excavation, 75 corrugated metal culverts and 1298 cu.yd. reinforced concrete. George A. Ralph, 410 Shubert Bldg., St. Paul, is Engr. in Charge.

Elimination of Grade Crossing—Jefferson City, Mo.—The Public Service Commission has ordered the Chicago & Alton Railroad to eliminate its grade crossing at Blue Ave. between Kansas City and Independence. Plans prepared by the Commission Engineer call for a 487-ft. reinforced overhead crossing to cost $32,492. The railroad is to pay 60% and Jackson County 40% of the cost.

Market—St. Louis, Mo.—The Merchants & Consumers Market-House Association, organized with $125,000 capital, has acquired a site and plans to erect a two-story, 180x210-ft. market. The estimated cost including the site is $190,000. C. B. Yoder & Co., Archs., prepared the plans.

Drainage—Wynne, Ark.—Drainage District No. 3, W. H. Newsom, Engr., will receive bids until Oct. 12, for the construction of drainage canals as follows: No. 1, 22.4 miles of 14-ft. bottom and 2.5 miles of 20-ft. bottom, total yardage, 615,000 yd.; No. 2, 15.7 miles of 14-ft. bottom, total yardage, 590,000 yd.; No. 3, 5.2 miles of 16-ft. bottom, 3 miles 24-ft. bottom, 8 miles 30-ft. bottom and 4 miles of 60-ft. bottom, total yardage, 840,000 yd., No. 4, 12 miles of 14-ft. bottom, total yardage, 280,000 yd.

Wharf and Park Improvements—Austin, Tex.—The city has had plans prepared and will construct a 600-ft. wharf and make park improvements. The estimated cost is $10,000. A. C. Scott is Consult Engr.

+Drainage—Beaumont, Tex.—The contract for the construction of four drainage ditches in Drainage District No. 4, Jefferson County, has been awarded to the LAKE ARTHUR DREDGING CO. at 10c. per cu.yd. The estimated cost of the system is $62,800. Noted Sept. 10.

Wharf and Warehouse—Houston, Tex.—Bids will be received until 2 p.m., Oct. 26, by E. E. Sands, City Engr., for the construction of a wharf and reinforced concrete warehouse on the Houston Ship Channel. The estimated cost is $250,000. Noted Sept. 17.

Tunnel—Seattle, Wash.—An ordinance has been introduced in the City Council by the International Terminals Co. for constructing three miles of tunnel under the city. Estimated cost about $2,000,000.

+Bulkhead—Seattle, Wash.—The Inter-Counties River Improvement Association has awarded the contract for bulkhead work, to BEARANCE & CLEAVER, American Bank Bldg., Seattle, at $43,460.

Crane—Seattle, Wash.—The following bids were received by the Port of Seattle Commission for furnishing a gantry crane for the Smiths Cove project: Shaw Electric Crane Co., Muskegon, Mich., $40,921, alternate bid, $38,590; Brown Hoisting Co., $48,200; Toledo Bridge & Crane Co., $52,500. Noted June 11, July 30, Aug. 27.

Dikes—Tacoma, Wash.—Preliminary work will soon be started for the construction of dikes to protect 2350 acres of land from water encroachment in the tide flats section of

Hylebos Creek. The estimated cost is about $150,000. H. C. Christy, William Mueller and Henry Benthien are the County Comrs. Noted July 9.

Dock—Portland, Ore.—The Southern Pacific Co. is having plans prepared and will soon receive bids for the construction of a level open dock on the West side of Williamette River. The estimated cost is $15,000. H. A. Hampton, Wells-Fargo Bldg., is the Engr.

Telephone Cables—Portland, Ore.—The Pacific Telephone & Telegraph Co. plans to make extensions which will call for 10,000 ft. of underground cable and 600 ft. of relief cable. The estimated cost is $131,992.

Subway—Fresno, Calif.—The Fresno Traction Co. plans to construct a subway under the Santa Fé tracks. The estimated cost is $50,000. F. W. Webster is Gen. Mgr.

Dance Floor—Hermosa, Calif.—The citizens will make a request in the form of a petition to the City Council, for the construction of a dancing floor on the municipal pleasure pier, recently erected at a cost of $63,000.

✚Train Sheds—Los Angeles, Calif.—The Southern Pacific Ry. Co. has awarded the contract for the construction of reinforced concrete train sheds at the Arcade Depot, to the VAN SANT-HOUGHTON CO., San Francisco, at $32,011.

Dredging—Oakland, Calif.—Plans are being prepared for the widening of Estuary Channel from 300 to 500 ft. for a distance of 6600 ft.

Wharves—Oakland, Calif.—The De Fremery Wharf & Land Co., has been granted permission by the Railroad Commission to make a bond issue of $100,000 for additions to its wharf system.

Pumping Plants—San Francisco, Calif.—Plans have been completed by Sanderson & Porter, Engrs., Nevada Bank Bldg., for 17 oil pumping plants to be erected by the American Pipe Line Co., 343 Sansome St., San Francisco, on its line between Coalinga and Martinez.

Steel Doors—San Francisco, Calif.—Bids will be received by the State Board of Harbor Commissioners until Oct. 22 for the installation of steel rolling doors on sheds of Piers No. 16, 18, and 37. Leo V. Merle is Secy., of the Bd.

Dredging and Bridges—Chatham, Ont.—Plans are being prepared by the City Council for 16 reinforced concrete bridges and dredging work, estimated to cost $84,000. George A. McCubbin, 135 King St. is the Engr.

✚Grandstand Addition—Fort Erie, Ont.—The contract for the construction of an addition to the grandstand at the Fort Erie racetrack, has been awarded to O. C. TEAL. The estimated cost is $30,000.

BUILDINGS

✚Boston, Mass.—The contract for the construction of the addition to the Massachusetts Homeopathic Hospital has been awarded to H. P. CUMMINGS CONSTRUCTION CO., 6 Beacon St. Kendall, Taylor & Co., 93 Federal St., are the Archs.

G. Henri Desmond, Arch., 15 Beacon St., has prepared plans for a hotel to be erected on the site of the Boston Theatre. It will be of gray brick and matt-glazed terra cotta. The estimated cost is $1,300,000.

Cambridge, Mass.—Low bids received for the Daniel Hagerty school were as follows: General construction, John B. Byrne, Cambridge, at $37,977; electrical work, Hale Schaefer Co., 68 Pearl St., Boston, Mass., $1990; heating, Huey Bros., Hartford St., Boston, Mass., $8342.

✚Fall River, Mass.—The contract for the addition to St. Mary's Convent has been awarded to CHARLES H. HODGATE, 7 Durfee St. Joseph J. Higgins, Borden Block, is the Arch.

Waltham, Mass.—The lowest bid received for the library at Waltham, was submitted by Kennedy & Peterson, Boston, at $97,825

✚Worcester, Mass.—The contract for the construction of the Rice Square School has been awarded to the CENTRAL BUILDING CO., Worcester, Mass., at $63,000. Noted Oct. 1.

Slocum, R. I.—Bids will be received until 10 a.m., Oct. 29, by Gilbert R. Parker, Secy. Bd. of Contract and Supply, State House, Providence, R. I., for the buildings to be erected at the Rhode Island School for the Feeble-Minded.

★Buffalo, N. Y.—(Official)—Bids will be received until 4 p.m., Oct. 23, by Col. Franklin W. Ward, Secy. State Board of Armory Commissioners, 174 State St., Albany, N. Y., for construction, heating, plumbing and electric work for armory and stable at Buffalo, for Troop "I," First Cavalry, N. G. N. Y. For further information, see advertisement under "Contracts to Be Let."

✚Hudson, N. Y.—(Official)—Bids will be received until 2 p.m., Oct. 23, by Miss Mary Hinckley, Pres., Bd. of Mgrs., New York State Training School for Girls, Hudson, for hospital buildings, including heating, plumbing, electric work and electric elevator, refrigerating plant and equipment at the New York State Training School for Girls, Hudson, N. Y. For further information, see advertisement under "Contracts to Be Let."

✚Ithaca, N. Y.—Contracts for the construction of the New York State Drill Hall at Cornell University, have been awarded as follows: General construction, EASTERN CONCRETE STEEL CO., Buffalo, N. Y., at $199,750; steel work, DUROLITHIC CO., Buffalo, N. Y., at $60,000. Other bidders for the general construction were as follows: Norcross Bros. Co., Worcester, Mass., $199,600. F. W. Mark Construction Co., Cleveland, Ohio, $218,355. The Durolithic Co., Buffalo, $24,696. George B. Long, Worcester, Mass., $230,000. P. J. Carlin Construction Co., New York, $236,000. H. W. Lines Co., Meriden, Conn., $239,740. Driscoll Bros. Co., Ithaca, $244,000. L. B. Cleveland, Watertown, $244,000. George A. Fuller Co., New York, $254,000. Mosier & Summers, Buffalo, $289,000.

Steel Work. Seneca Engineering Co., Montour Falls, N. Y., $68,500. McClintic-Marshall Co., New York, $70,865. Norcross Bros. Co., Worcester, Mass., $71,500, George B. Long, Worcester, Mass., $72,000, Post & McCord, New York, $76,890, Buffalo Structural Steel Co., Buffalo, $90,798. Mosier & Summers, Buffalo, $92,000. Noted July 30.

New York, N. Y.—(Borough of Manhattan)—Plans have been completed by York & Sawyer, Archs., 50 East 41st St., for the construction of a building for the New York Orthopædic Dispensary and Hospital, at 58th St. and Ave. A. The estimated cost is $600,000.

Plans are being prepared by Parish & Schroeder, Archs., 12 West 38th St., for an eight-story, 75x100-ft. clubhouse for nurses, to be erected at 132 East 45th St. The estimated cost is $500,000.

Plans are being prepared by George Fred Pelham, Arch., 30 East 42d St., for a 13-story apartment house at 162 East 82d St., for the Rexton Realty Co., 37 Liberty St. The estimated cost is $150,000.

✚Rensselaer, N. Y.—Contracts for the construction of a three-story dormitory at Lawrence and Herick Sts., have been awarded to LEAHY & SHUFELL, Rensselaer, masonry, ZEPF BROS., Rensselaer, carpentry. The estimated cost is $45,000.

✚Utica, N. Y.—The contract for constructing the three-story brick clubhouse for the B. P. O. E. has been awarded to R. G. LLOYD CO., 39 South St. The estimated cost is $75,000.

Yonkers, N. Y.—George H. Chamberlain, Arch., 18 South Broadway, has completed revised plans for the Y. M. C. A. building to be erected at Riverdale Ave. and Hudson St. The estimated cost is $100,000. Shattuck & Hussey, 19 South La Salle St., are the Engrs.

Bids will be received, about Dec. 1, by Lewis F. Pilcher, State Arch., Albany, N. Y., for the two-story, 111x167-ft. brick and steel armory, at North Broadway and Quincy Place, for the N. Y. State Armory Commission. The estimated cost is $85,000.

Plans have been completed by William E. Lehman, 738 Broad St., Newark, N. J., for the five-story brick theatre and office building for Allen & Epstein, 1495 Broadway. The estimated cost is $300,000.

West New York (Weehawken post office), **N. J.**—Bids will be received until Oct. 13, by James L. Wolfe, Town Clk., for the municipal building for the Town Council. The estimated cost is $75,000.

✚Allentown, Penn.—The contract for the construction of buildings at the Homeopathic State Hospital for the Insane, has been awarded as follows: Reception building, HOWARD E. STOUDT, Bethlehem, Penn., nurses home for men, BUTZ & CALDER, Allentown, Penn. Noted Oct. 1.

✚Lansdowne, Penn.—The contract for the construction of the school at Lansdowne has been awarded to WILBER BEAUMONT, Philadelphia, Penn. The estimated cost is $50,000.

✚Philadelphia, Penn.—The contract for the construction of the four-story hospital for the Children's Hospital has been awarded to ROYDHOUSE AREY CO., Fidelity Bldg. The estimated cost is $150,000.

Pittsburgh, Penn.—Plans have been prepared by J. L. Beatty, 146 Sixth St., for the construction of a seven-story apartment house on Federal St., Northside. The estimated cost is $300,000.

Plans have been completed by F. J. Osterling, 316 Fourth Ave., for the construction of a seven-story clubhouse for the Americus Republican Club. The estimated cost is $45,000.

✚York, Penn.—The contracts for the construction of the Jackson and Madison schools have been awarded to CASPER OERMAN, at $75,000.

★Wilmington, Del.—(Official)—Bids will be received by the New Castle County Building Commission, Church Bldg., Wilmington, for the rolled steel windows, carpentry and cabinet work, plastering and imitation stone work, metal furring and lathing, glass and glazing, electric elevators, magnacite floors, cork floors, vault doors, tile work, etc., for the county building for New Castle County, and of the municipal building for Wilmington. Thomas F. Gormley is Secy. of the New Castle County Bldg. Comn., and of the Wilmington Bldg. Comn. For further information see advertisement under "Contracts To Be Let."

Belair, Md.—Bids will be received until Oct. 12, by M. A. Reckford, Chn., Armory Comn., for the armory at Belair. The estimated cost is $30,000. John B. Hamme, York, Penn., is the Arch.

✚Lexington, Va.—The contract for the construction of the two-story 65x130 ft. gymnasium for Washington and Lee University, has been awarded to JOHN THATCHER & CO., Brooklyn, N. Y. The estimated cost is $100,000.

✚Staunton, Va.—The contract for the construction of the Y. M. C. A. building has been awarded to the CULLEN VAUGHN CO., Hamilton, Ohio, at $100,000.

Berkeley Springs, W. Va.—Plans have been prepared by Boal & Brown, Archs., 1725 H St., N. W., Washington, D. C., for a four-story hotel for the Berkeley Corporation. The estimated cost is $100,000.

✚Parkersburg, W. Va.—The contract for the construction of the Masonic Temple at Parkersburg has been awarded to the PRESCOTT CONSTRUCTION CO., Warren, Ohio.

✚Anderson, S. C.—The general contract for the construction of the office building for the Anderson Development Co., has been awarded to RONEY & ATKINSON, Anderson; steel work, to ANDERSON MACHINE & FOUNDRY CO. The estimated cost is $40,000.

✚Ft. Myers, Fla.—The contract for the construction of the courthouse has been awarded to G. A. MILLER, Tampa, Fla., at $88,674. Noted Aug. 13.

✚Jacksonville, Fla.—The contract for the construction of the courthouse, jail and jailer's residence, has been awarded to W. P. RICHARDSON & CO., Jacksonville, at $188,000. Noted Oct. 1.

✚McComb, Miss.—The contract for the construction of the city hall has been awarded to the BURKES CONSTRUCTION CO., Hattiesburg, Miss.

✚Louisville, Ky.—Contracts for the construction of the high school have been awarded as follows: General contract, BAULEY & KOERNER, 511 Walker Bldg., Louisville, marble work, PETERS BURGHARD CO., 800 South 13th St., Louisville, terrazzo work, AMERICAN MOSAIC & TILE CO. 309, East Broadway, stone, J. HOADLEY & SONS CO., Stinesville, Ind., steel and iron PYNE CO., Louisville. The estimated cost is $220,000. Noted June 25.

Cincinnati, Ohio—Plans are nearing completion for the proposed chemistry building to be constructed for the University of Cincinnati. Estimated cost, $200,000. Tietig & Lee, Lyric Bldg., Cincinnati, are Archs.

✚**Cleveland, Ohio**—The Tyroler Realty Co. has awarded the contract to ROY BLACK, Cleveland, for constructing a six-story store building, 71x149 ft., at about $200,000.

Cleveland, Ohio—A. F. Wasrelewski, 1401 Sixth St., Minneapolis, Minn., is preparing plans for a one-story and basement school, 60x125 ft., for St. Joseph's R. C. Church, Rev. J. P. Kocinski, Pastor, 1411 East 33rd St., Cleveland. Estimated cost, $50,000.

✚The Board of Control has awarded the contract to the GEORGE A. FULLER CO., New York, for interior work on the city hall, at $1,217,112.

✚The East Ohio Gas Co. has awarded the contract to JAMES L. STUART, Illumination Bldg., Cleveland, for constructing a six-story and basement office building, 116x166 ft., at about $500,000.

The Fireproof Building Co., Cleveland, plans to construct a 10-story and basement commercial building, 80x198 ft. Estimated cost, $250,000.

Elyria, Ohio—The St. Agnes R. C. Church is having plans prepared for the construction of a church. It will be one-story and basement, 60x200 ft. Estimated cost, $50,000.

✚**Hamilton, Ohio**—The contract has been awarded to W. H. HANSCHE, Hamilton, for constructing the temple for the B. P. O. E., at $72,478.

Hudson, Ohio—Bids will be asked soon by J. W. C. Carbusier, Arch., Lenox Bldg., Hudson, for constructing a three-story and basement grade school, at about $50,000.

Toledo, Ohio—The Board of Education is considering plans for three new schools to cost $500,000. F. G. Crane is Pres.

Wickliffe, Ohio—Plans are being prepared by F. C. Warner, Arch., Cleveland, for a grade school, to cost $40,000.

Willoughby, Ohio—Plans are being prepared by F. C. Warner, Arch., Cleveland, for a high school. Estimated cost, $90,000.

Greencastle, Ind.—Hugh Doherty, Indianapolis, Ind., President of Board of Trustees of Depauw University, Greencastle, will appoint a building committee to arrange for the proposed construction of a gymnasium. Estimated cost, $100,000.

Logansport, Ind.—Plans have been completed for the construction of the Dieckmann Hospital, provided for in the will of D. D. Dieckmann. A. G. Jenkins, Logansport, is interested.

✚**Flint, Mich.**—Van Leyen & Schilling, Archs., 1117 Union Trust Bldg., Detroit, Mich., have awarded the general contract for the two-story and basement school, 55x89 ft. for All Saints Parish, Rev. John Hewelt, pastor, Flint, to H. V. SNYDER, Battle Creek, Mich. Estimated cost, $75,000.

Chicago, Ill.—The South Side Hebrew Synagogue has secured a site at Michigan Ave. and 59th St., on which to construct a new synagogue, to cost $150,000. M. F. Woldenberg is Secy.

Chicago, Ill.—Marshall & Fox, Archs., First National Bank Bldg., Chicago, have prepared plans for a fireproof club-house to be erected by the South Shore Country Club. Estimated cost, $375,000.

East St. Louis, Ill.—The Building Committee of the Board of Education plans to construct an auditorium for the new high school. Estimated cost, $100,000.

✚**Freeport, Ill.**—The contract for constructing the Y. M. C. A. building has been awarded to WINCHESTER & STEWART, Rockford, Ill., at $61,902.

✚**Eau Claire, Wis.**—Van Ryn & De Gelleke, Archs., Milwaukee, Wis., have awarded the iron and steel work on the new $250,000 state normal school here to the WORDEN-ALLEN CO., Milwaukee.

Marinette, Wis.—The initial contract for the construction of the proposed new $120,000 high-school building has been awarded to J. E. UTKE, Marinette. The contract was for the foundation.

Marshfield, Wis.—H. T. Liebert, Arch., Wausau, Wis., is receiving bids for the construction of a mercantile building for C. C. Blodgett. It will be of brick, three-story and basement, 50x150 ft.

Prairie du Chien, Wis.—Plans are being completed for the construction of a building for Campion College here. Brielmaier & Sons, Milwaukee, Wis., are Archs. It will be of brick, concrete and stone.

Racine, Wis.—Preliminary plans for the new $175,000 Y. M. C. A. building to be erected at Fourth and Wisconsin St., are being prepared by C. D. McLane, Arch., Rock Island, Ill. It will be of brick, concrete and steel, four- to six-stories and basement, about 120x175 ft.

✚**Wausau, Wis.**—The general contract for the construction of the church for the Episcopal congregation has been awarded to the HERMAN CONSTRUCTION CO., Antigo, Wis. Estimated cost, $50,000. Chromaster, Spier & Swarthout are Archs.

✚The general contract for the construction of the First Universalist church has been awarded to JOHN ANDRES & SON. Estimated cost, $50,000.

Burlington, Iowa—Bids will be received until noon, Oct. 15, by D. S. Cooper, Secy. Bd. of Education, for constructing two schools.

Glen Lake (Hopkins post office) **Minn.**—Plans have been prepared by Sund & Dunham, Archs., Andrus Bldg., Minneapolis, Minn., for the construction of the Hennepin County sanatorium at Glen Lake. A separate power plant and laundry will be erected in the rear of the sanatorium. Estimated cost, $100,000. E. G. Gale is Chn., Hennipin County Sanatorium Comn.

Medicine Lake, Minn.—The Sisters of St. Joseph of the Holy Angels Academy, Sixth Ave. North and Fourth St., Minneapolis, have had plans prepared for the construction of a school at Medicine Lake, Minn., to cost about $200,000.

✚**Minneapolis, Minn.**—The contract for the construction of a two-story brick and steel passenger station for the Great Northern R.R Co., on Hennepin Ave., Minneapolis, has been awarded to the C. W. GINDELE CO., Chicago, Ill. Estimated cost, $278,000. Charles S. Frost is Arch.

Great Falls, Mont.—The Building Committee of the Y. M. C. A. has approved plans prepared by G. H. Shanley, Arch., for the building to be constructed at First Ave. and Park Drive. Estimated cost, $100,000.

Carthage, Mo.—The County Court has approved plans for the proposed almshouse to be constructed on the Grand Ave. Rd. south of Carthage.

San Antonio, Tex.—The National Masonic Sanitarium Association recently organized, contemplates the erection of a sanitarium and hospital. Estimated cost, $50,000.

Selden (Dona Ana Post Office), **N. M.**—Thomas Taggart, of Indianapolis, Ind., contemplates the construction of a hotel at Selden.

Silver City, N. M.—Plans have been prepared by Trost & Trost, Arch., El Paso, Tex., for the four-story reinforced-concrete hotel to be erected at Silver City, at a cost of $100,000. J. F. Cleveland and associates are interested. Noted July 30.

Portland, Ore.—James S. Winters, Couch Bldg., Portland, at $40,987, submitted the lowest bid for construction of the Emmanuel Hospital. The building will be of reinforced concrete and brick construction.

✚**Bakersfield, Calif.**—The Board of Education of Kern County has awarded a contract for the general construction of a high school to the THEWHITT-SHIELDS CO., Fresno, at $53,290.

✚The Board of Supervisors of Kern County has awarded a contract for the construction of an auditorium to the THEWHITT-SHIELDS CO., Fresno, at $52,000. Noted Aug. 6.

Lindsay, Calif.—F. W. Griffin, Arch., has completed plans for a grammar school. Estimated cost, $45,000.

Longbeach, Calif.—Krempel & Erkes, Archs., Henne Bldg., Los Angeles, have completed plans and specifications for the construction of a five-story and basement Class B bank building at Pine Ave. and Broadway, Long Beach, for Mrs. Lucy Hauerwaas. The building will be 50x150 ft., and will have concrete foundation and basement, structural steel, brick walls, pressed brick facing.

Los Angeles, Calif.—W. J. Pearson, plans to construct an 18-story fire-proof hotel at 10th and Hope Sts. Estimated cost, about $1,000,000.

✚**Los Angeles, Calif.**—The contract for the construction of a seven-story hotel on East Fifth St., for Charles Wellington Howard, has been awarded to HUNZIKER & BERGER, Los Angeles at about $70,000. L. L. Jones is Arch.

✚J. V. McNEIL, 530 Citizens National Bank Bldg., Los Angeles, has been awarded the general contract at $54,793 for the construction of the eight-story and basement Class A store and office building at Broadway and Eighth St. for the Spring St. Co., Hulett C. Merritt, Pres. 702 South Spring St., Reid Bros., San Francisco, are Archs.

H. O. Thompson will construct an 11-story and basement store and hotel building on East Fifth St., near Los Angeles St. John J. Frauenfelder is the Arch.

Oakland, Calif.—Plans are being prepared for a seven-story brick and steel hotel to be constructed for O. J. Meade. Estimated cost, $150,000. George W. Patton, 2126 Emerson St., Berkeley, Calif., is Arch.

Oroville, Calif.—The county will construct a Hall of Records at Oroville to cost $40,000. C. L. Kaiser is Arch.

Sacramento, Calif.—Plans are being prepared for a new hospital to be erected by Sacramento County at an estimated cost of $500,000. R. A. Herold, Forum Bldg., is the Arch.

San Diego, Calif.—The Board of Education has rejected all bids submitted for the construction of Stockton School. Plans will be revised, providing for a building to cost $40,000 instead of $60,000.

San Francisco, Calif.—Houghton Sawyer, Arch., Shreve Bldg., San Francisco, has completed plans for a seven-story apartment house to be constructed at Mason and California St. to cost, $250,000.

San Francisco, Calif.—The Charles C. Judson Co. will construct a seven-story hotel at Taylor and Post Sts. William H. Weeks is Arch.

C. O. Claussen, Arch., Hearst Bldg., San Francisco, is preparing plans for a six-story apartment house at Eddy and Leavenworth St. for George Bennett. Estimated cost, $10,000.

Sydney, N. S.—A. M. Crofton, 291 Charlotte St., has purchased a site for the erection of a four-story Y. M. C. A. building, to cost $55,000.

Montreal, Que.—Plans are being prepared and bids will be received soon by P. A. Westover, Arch., Keith Theater Bldg., Philadelphia, Penn., for the general contract to construct the $300,000 theater at Montreal for the Imperial Theater Co. The associate architects are Barott, Blackader & Webster, New Birks Bldg., Montreal.

★**Santo Domingo, R. D.**—(Official)—Juan Alejandro, Ibarra, Separacion No. 43 Santo Domingo, Republica Dominicana, desires to contract with some company willing to construct houses on time payments. He will properly guarantee capital and interest, and the right to erect all buildings contemplated. He has 300,000 sq.m. at Villa Francisca, suburb of the capital. All kinds of propositions considered. Correspondence in English, French and Spanish. In the town of Villa Francisca there are no taxes, fiscal nor municipal. The city board furnishes cement for side walks and the law guarantees 6% annually on capital invested in construction of houses purchasable on time. There are guarantees against all risks. Further information furnished on application.

Contracts to Be Let

Bids received until Oct. 20, 1914.

Notice to Contractors

NEW COUNTY BUILDING FOR NEW CASTLE COUNTY AND NEW MUNICIPAL BUILDING FOR THE CITY OF WILMINGTON

Sealed proposals will be received by the New Castle County Building Commission and the Wilmington Building Commission, at the office of the Commissions in the Church Building, at the corner of Market and Tenth Sts., in the City of Wilmington, Delaware, up to 11 o'clock A.M. (Eastern time) on the 20th day of October, 1914, for the Rolled Steel Windows, for the Carpentry and Cabinet Work, for the Plastering and Imitation Stone Work, for the Metal Furring and Lathing, for the Glass and Glazing, for the Electric Elevators, for the Magnacite Floors, for the Cork Floors, for the Vault Doors, and for the Tile Work, entering into the construction and completion of the New County Building for New Castle County and of the New Municipal Building for the City of Wilmington, situated between King Street and French Street and between Tenth Street and Eleventh Street, in the City of Wilmington, Delaware; and will be opened publicly and declared by the Commissions in their office. A separate proposal is required for each of the buildings for each department or class of work above listed.

Each proposal for Rolled Steel Windows shall be accompanied by a certified check or cash deposit in the amount of Four Hundred Dollars ($400).

Each proposal for Carpentry and Cabinet Work shall be accompanied by a certified check or cash deposit in the amount of One Thousand Five Hundred Dollars ($1,500).

Each proposal for Plastering and Imitation Stone Work shall be accompanied by a certified check or cash deposit in the amount of One Thousand Dollars ($1,000).

Each proposal for Metal Furring and Lathing shall be accompanied by a certified check or cash deposit in the amount of Five Hundred Dollars ($500).

Each proposal for Glass and Glazing shall be accompanied by a certified check or cash deposit in the amount of Two Hundred Dollars ($200).

Each proposal for Electric Elevators shall be accompanied by a certified check or cash deposit in the amount of Five Hundred Dollars ($500).

Each proposal for Magnacite Floors shall be accompanied by a certified check or cash deposit in the amount of One Hundred Dollars ($100).

Each proposal for Cork Floors shall be accompanied by a certified check or cash deposit in the amount of One Hundred Dollars ($100).

Each proposal for Vault Doors shall be accompanied by a certified check or cash deposit in the amount of Fifty Dollars ($50).

Each proposal for Tile Work shall be accompanied by a certified check or cash deposit in the amount of Two Hundred Dollars ($200).

The Commission to reserve the right to reject any or all proposals received, if they consider it to the best interests of the County or City so to do.

The surety required to guarantee the faithful performance of each contract shall be one or more bonds executed by one or more Guarantee or Surety Companies, aggregating in amount fifty per cent. (50%) of the amount of the contract.

On and after October 6th, the drawings and specifications, the form of contract, the bond and blank forms for proposals, may be obtained at the office of the Commission in the Church Building, Wilmington, Delaware.

One set of drawings and specifications, etc., will be furnished to Contractors intending to submit proposals on application to the Commissions and upon the payment of a deposit of Fifty Dollars ($50); this deposit to be forfeited if the drawings and specifications are not returned to the Commissions in good order before November 1, 1914. Additional copies will be furnished upon the payment by the Contractor of the net cost of the same.

THOMAS F. GORMLEY,
Secretary of The New Castle County Building Commission and of the Wilmington Building Commission.

Bids received until Oct. 27, 1914.

Alteration to Electric Plant

Bath, N. Y.

NOTICE TO CONTRACTORS.—Sealed proposals for Alterations to Electric Plant; Underground Piping, Steam, etc., at the New York State Soldiers and Sailors Home, Bath, New York, will be received by the Honorable Joseph H. Goulden, President, Board of Trustees, New York Soldiers and Sailors Home, Bath, New York, until October 27, 1914, at eleven o'clock A. M., when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect and shall be accompanied by a certified check in the sum of 5% of the amount of bid. Contractors to whom awards are made will be required to furnish surety company bond in the sum of 50% of the amount of contract within thirty days (30) after official notice of award of contract and in accordance with the terms of Specifications Nos. 2063 and 2051. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the New York office of the Department of Architecture, 1224 Woolworth Building, at the New York State Soldiers & Sailors Home, Bath, New York, and at the office of the Department of Architecture, Albany, New York. Drawings and specifications may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of certified check in the sum of ten dollars (10) made payable to the State of New York for each branch of the work, which check will be returned if plans and specifications are sent back in good order to the State Architect, LEWIS F. PILCHER, Capitol, Albany, N. Y.

Dated October 2, 1914.

WILLIAM H. NICHOLS, Secretary.

Bids received until Oct. 26, 1914.

Bridge

DEPARTMENT OF PUBLIC FINANCES, ACCOUNTING DIVISION, CITY OF NEW ORLEANS

New Orleans, La., Sept. 23, 1914.

Pursuant to Ordinances Nos. 1601 and 1802 C. C. S. Sealed proposals will be received at this office until the hour of 11 o'clock A.M., Monday, October 26, 1914, for Erecting a Strauss Trunnion Bascule Lift Bridge over the New Basin Canal on the axis of City Park Avenue in accordance with plans and specifications on file in the office of the City Engineer. Deposit of $1000.00 with the City Treasurer, and his receipt or certified check enclosed with bid. Bond, 25% of the contract price. The City Engineer will furnish bidders with a blank form of proposal; no proposal will be considered unless submitted on such form. Bidders must have paid their City License in order that their bids may be accepted.

The City reserves the right to reject any and all bids.

A. G. RICKS,
Commissioner.

Bids received until Oct. 15, 1914.

Street Paving

Petersburg, Va.

Sealed proposals, adressed to J. R. Jones, Chairman of Street Committee and plainly marked "PAVING BID," will be received until October 15th, 1914, at noon, on the construction of 13,000 square yards, more or less of creosoted wood block roadway paving on East Bank and Halifax Streets, Petersburg, Virginia.

Specifications upon application to R. D. Budd, City Engineer. Each bid must be accompanied by a certified check in the sum of $500.00, payable to F. G. Stratton, City Treasurer, as evidence of good faith. The Street Committee and the City Council reserve the right to reject any or all bids.

P. G. HUNTING, Clerk.